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1 Schellenberg, Gerald D.
2 TITLE OF INVENTION: GENE AND GENE PRODUCTS RELATED TO
3 WERNER'S SYNDROME
4 NUMBER OF SEQUENCES: 209
5 CORRESPONDENCE ADDRESS:
6 ADDRESSEE: Seed Intellectual Property Law Group
7 STREET: 701 Fifth Avenue, Suite 6300
8 CITY: Seattle
9 STATE: Washington
10 COUNTRY: USA
11 ZIP: 98104-7092
12 COMPUTER READABLE FORM:
13 MEDIUM TYPE: Floppy disk
14 COMPUTER: IBM PC compatible
15 OPERATING SYSTEM: PC-DOS/MS-DOS
16 SOFTWARE: PatentIn Release #1.0, Version #1.30
17 CURRENT APPLICATION DATA:
18 APPLICATION NUMBER: US/09/618,166
19 FILING DATE: 17-Jul-2000
20 CLASSIFICATION: <Unknown>
21 ATTORNEY/AGENT INFORMATION:
22 NAME: Mcmasters, David D.
23 REGISTRATION NUMBER: 33,963
24 REFERENCE/DOCKET NUMBER: 240052.419C1
25 TELECOMMUNICATION INFORMATION:
26 TELEPHONE: (206) 622-4900
27 TELEFAX: (206) 682-6031
28 INFORMATION FOR SEQ ID NO: 208:
29 SEQUENCE CHARACTERISTICS:
30 LENGTH: 16442 base pairs
31 TYPE: nucleic acid
32 STRANDEDNESS: single
33 TOPOLOGY: linear
34 SEQUENCE DESCRIPTION: SEQ ID NO: 208:
35 US-09-618-166-208
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37 Query Match          3.8%; Score 72.6; DB 4; Length 16442;
38 Best Local Similarity 61.3%; Pred.No.1.3e-09;
39 Matches 117; Conservative 0; Mismatches 74; Indels 0; Gaps 0;
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42 Db    16382 GGAGAGGACGAGGACGAGGACGAGGAGGAGGACGAGGACGAGGAGACGAGGAGGA 16323
43 QY     666 GCCGACACAAACACACAGCAGAGAGGGCGCAAAAACAGAAAGACAGAAAGAACCA 725
44 Db    16322 GGAGCAGGAGGAGCAGAGAGAGAGAGGAGGACGAGAGGAGACAGAGCAGAGAGGA 16263
45 QY     726 GGAAGAGGAGGAAAGCAGAAAGAAAGACAGGGGACTAAGAGAGGACGGAGGCTGTGTC 785
46 Db    16262 GGAGCAGAGGAGCAGAGAGAGGAGGAGGACGAGAGCAGAGAGGAGAGGAGGAGGA 16203
47 QY       786 TCAGCTGCAGA 796
48 Db    16202 GTAGAAGGAGA 16192
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50 RESULT 7
51 US-09-949-016-16775/c
52 Sequence 16775, Application US/09949016
53 Patent No. 6812339
54 GENERAL INFORMATION:
55 APPLICANT: VENTER, J. Craig et al.
56 TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
57 WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
58 FILE REFERENCE: CL001307
59 CURRENT APPLICATION NUMBER: US/09/949,016
60 PRIOR FILING DATE: 2000-04-14
61 PRIOR APPLICATION NUMBER: 60/241,755
62 PRIOR FILING DATE: 2000-10-20
63 PRIOR APPLICATION NUMBER: 60/237,768
64 PRIOR FILING DATE: 2000-10-03
65 PRIOR APPLICATION NUMBER: 60/231,498

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; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 16775
; LENGTH: 12695
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-16775

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Best Local Similarity 55.9%; Pred. No. 1.4e-09;
Matches 137; Conservative 0; Mismatches 108; Indels 0; Gaps 0;

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; Patent No. 6417002
; GENERAL INFORMATION:
; APPLICANT: Horlick, Robert
; TITLE OF INVENTION: METHOD FOR MAINTENANCE AND SELECTION OF EPISODES
; FILE REFERENCE: 0867/0D905
; CURRENT APPLICATION NUMBER: US/09/249,585A
; CURRENT FILING DATE: 1999-02-11
; NUMBER OF SEQ ID NOS: 18
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 2
; LENGTH: 1926
; TYPE: DNA
; ORGANISM: Epstein Barr Virus
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (1)..(1926)
; . OTHER INFORMATION: coding strand of EBNA-1 DNA
US-09-249-585A-2

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Best Local Similarity 61.2%; Pred. No. 9.2e-10;
Matches 115; Conservative 0; Mismatches 73; Indels 0; Gaps 0;

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GenCore version 5.1.6
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OM nucleic - nucleic search, using sw model

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Searched: 7351250 seqs, 328362054 residues

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Minimum DB seq length: 0
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Listing first 45 summaries

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Published Applications NA:*

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26: /cgn2_6/ptodata/2/pubpna/US60_PUBCOMB.seq:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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1	1895	100.0	1895	US-10-148-641A-23	Sequence 23, Appl
2	1886	99.5	1886	US-10-262-666-41	Sequence 41, Appl
3	1886	99.5	1886	US-10-085-117-53	Sequence 53, Appl
4	1881.8	99.3	1892	US-10-719-993-124	Sequence 124, Appl
5	1856.4	98.0	1899	US-09-746-783-77	Sequence 77, Appl
6	1811.2	95.6	1892	US-09-397-945-90	Sequence 90, Appl
7	1811.2	95.6	1892	US-10-653-595-90	Sequence 90, Appl

8	1632	86.1	1632	US-10-085-117-54	Sequence 54, Appl
9	1271.8	67.1	1671	US-10-296-115-693	Sequence 693, Appl
10	1128.2	59.5	1840	US-10-085-117-50	Sequence 50, Appl
11	1062.6	56.1	1623	US-10-085-117-51	Sequence 51, Appl
12	937.6	49.5	1964	US-09-978-360A-262	Sequence 262, Appl
13	471.8	24.9	21347	US-10-719-993-6794	Sequence 6794, Appl
14	471.8	24.9	29346	US-10-085-117-52	Sequence 52, Appl
15	433.8	22.9	469	US-09-918-995-14842	Sequence 14842, A
16	408.4	21.6	474	US-09-918-995-36471	Sequence 36471, A
17	337.2	17.8	522	US-10-474-495-12	Sequence 12, Appl
18	332	17.5	28955	US-10-719-993-6811	Sequence 6811, Appl
19	329.8	17.4	507	US-10-474-495-230	Sequence 230, Appl
20	328	17.3	24923	US-10-719-993-7043	Sequence 7043, Appl
21	282.4	14.9	308	US-10-040-739-641	Sequence 641, Appl
22	275.8	14.6	36211	US-10-085-117-49	Sequence 49, Appl
23	200.6	10.6	201	US-10-719-993-2295	Sequence 2295, Appl
24	200.6	10.6	201	US-10-719-993-2297	Sequence 2297, Appl
25	199	10.5	201	US-10-719-993-2287	Sequence 2287, Appl
26	199	10.5	201	US-10-719-993-2288	Sequence 2288, Appl
27	154.6	8.2	157	US-10-719-993-15239	Sequence 15239, A
28	154.6	8.2	201	US-10-719-993-15249	Sequence 15249, A
29	154.6	8.2	201	US-10-719-993-17827	Sequence 17827, A
30	139.8	7.4	201	US-10-719-993-15240	Sequence 15240, A
31	135.4	7.1	201	US-10-719-993-15253	Sequence 15253, A
32	126.6	6.7	370	US-09-728-445-80	Sequence 80, Appl
33	126.6	6.7	370	US-10-964-549-80	Sequence 80, Appl
34	119.6	6.3	201	US-10-719-993-15250	Sequence 15250, A
35	110.6	5.8	201	US-10-719-993-15236	Sequence 15236, A
36	95.4	5.0	201	US-10-719-993-15238	Sequence 15238, A
37	88.4	4.7	201	US-10-719-993-15251	Sequence 15251, A
38	88	4.6	201	US-10-719-993-15239	Sequence 15239, A
39	75.6	4.0	28796	US-10-087-192-1297	Sequence 1297, Appl
40	74	3.9	628	US-10-029-386-22859	Sequence 22859, A
41	73.4	3.9	51259	US-10-374-077-209	Sequence 209, Appl
42	72.6	3.8	16442	US-10-374-077-208	Sequence 208, Appl
43	71.2	3.8	1926	US-10-294-804-3	Sequence 3, Appl
44	71.2	3.8	1926	US-10-194-046-3	Sequence 3, Appl
45	71.2	3.8	8705	US-10-291-230-14	Sequence 14, Appl

ALIGNMENTS

RESULT 1
US-10-148-641A-23
; Sequence 23, Application US/10148641A
; Publication No. US20040086852A1
; GENERAL INFORMATION:
; APPLICANT: Ono, Toshio and Nakayama, Eiichi
; TITLE OF INVENTION: CANCER ASSOCIATED ANTIGENS AND USES
; TITLE OF INVENTION: THEREFOR
; FILE REFERENCE: 100461.70132. US
; CURRENT APPLICATION NUMBER: US/10/148,641A
; PRIOR FILING DATE: 2003-03-18
; PRIOR APPLICATION NUMBER: US 09/559,013
; PRIOR FILING DATE: 2000-04-26
; PRIOR APPLICATION NUMBER: US 60/168,353
; PRIOR FILING DATE: 1999-12-01
; NUMBER OF SEQ ID NOS: 39
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 23
; LENGTH: 1895
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (49)...(1677)
US-10-148-641A-23

Query Match 100.0%; Score 1895; DB 18; Length 1895;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 1895; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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DB 1861 TGACTTTACATTAATGTTGATCTTCAAAAAAAA 1895

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US-10-262-666-41
Sequence 41, Application US/10262666
Publication No. US20030180298A1
GENERAL INFORMATION:
APPLICANT: Nakayama, Eiichi
APPLICANT: Ono, Toshiro
APPLICANT: Old, Lloyd J.
APPLICANT: Hasegawa, Kosei
APPLICANT: Matsushita, Hirokazu
TITLE OF INVENTION: CANCER-TESTIS ANTIGENS
FILE REFERENCE: L00461.70140
CURRENT APPLICATION NUMBER: US/10/262,666
PRIOR FILING DATE: 2002-10-01
PRIOR APPLICATION NUMBER: PCT/US02/12497
PRIOR FILING DATE: 2002-04-19
PRIOR APPLICATION NUMBER: US 60/356,937

PRIOR FILING DATE: 2002-02-14
PRIOR APPLICATION NUMBER: US 60/285,343
PRIOR FILING DATE: 2001-04-20
NUMBER OF SEQ ID NOS: 80
SOFTWARE: PatentIn version 3.1
SEQ ID NO 41
LENGTH: 1886
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: CDS
LOCATION: (49)..(1680)
OTHER INFORMATION:
US-10-262-666-41

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DB 961 AACTCTTACTGAGAAACCAAAACCTGGGACCTTCTGAGCTGCCCCCAAGAGGCC 1020
QY 1021 TTGCTGCTGTGCTATTTCGATCGTGAAGATACCGCATCAACCCCGACAGCCAG 1080
DB 1021 TTGCTGCTGTGCTATTTCGATCGTGAAGATACCGCATCAACCCCGACAGCCAG 1080
QY 1081 GCTTGAAGTACATGAGAGAGAGATCTTGGTTTCGGGAAGTCGGTCTGTGAACGCTT 1140
DB 1081 GCTTGAAGTACATGAGAGAGAGATCTTGGTTTCGGGAAGTCGGTCTGTGAACGCTT 1140
QY 1141 GGGCGGCGACACATGCTTACCTGTGCTCTGTGATCTTGTCTCTTGAAGCTGAGACAG 1200
DB 1141 GGGCGGCGACACATGCTTACCTGTGCTCTGTGATCTTGTCTCTTGAAGCTGAGACAG 1200
QY 1201 TGCCACTCAGAGGCGCAGCTGACGAGGCAACATGCGACACCTCCCAAGACTCCCTTT 1260
DB 1201 TGCCACTCAGAGGCGCAGCTGACGAGGCAACATGCGACACCTCCCAAGACTCCCTTT 1260
QY 1261 GTGAGCCCTTGTGCTTCTCCAGAGCTGTGCTTCCAGGCAACGAGTGAAGGTTCCAGAA 1320
DB 1261 GTGAGCCCTTGTGCTTCTCCAGAGCTGTGCTTCCAGGCAACGAGTGAAGGTTCCAGAA 1320
QY 1321 TCAGGCGGCTTTTACCGGCTGATTTGTACAGGAGGCTCCACATGATCTTGTGTGCC 1380
DB 1321 TCAGGCGGCTTTTACCGGCTGATTTGTACAGGAGGCTCCACATGATCTTGTGTGCC 1380
QY 1381 CGGCTTGCCAGAAAGGCTGTGAAGATGTCGAGTCTGTGGGTGCTCCAGACTGATTC 1440
DB 1381 CGGCTTGCCAGAAAGGCTGTGAAGATGTCGAGTCTGTGGGTGCTCCAGACTGATTC 1440
QY 1441 CTTAGCTTCAAGATGAGGATTTCCCTTACCAAGATTTGTGACACAGATATATCAAGTAC 1500
DB 1441 CTTAGCTTCAAGATGAGGATTTCCCTTACCAAGATTTGTGACACAGATATATCAAGTAC 1500
QY 1501 CCAACTACTGTTCTTTCAAAAGCCAGAGTGTCTGATGAGAAACCGCAATCGAAGGTG 1560
DB 1501 CCAACTACTGTTCTTTCAAAAGCCAGAGTGTCTGATGAGAAACCGCAATCGAAGGTG 1560
QY 1561 TCCCGCATGAGATGCTGAGAGATGAGACTTACAGTGCCTGAGCCCTGGCAAAAGTGA 1620
DB 1561 TCCCGCATGAGATGCTGAGAGATGAGACTTACAGTGCCTGAGCCCTGGCAAAAGTGA 1620
QY 1621 GACGTGTGCTTCTGATGAGAGAGAGAGTTCAGACCTTGAAGAGAGAGTTCAGATGA 1680
DB 1621 GACGTGTGCTTCTGATGAGAGAGAGAGTTCAGACCTTGAAGAGAGAGTTCAGATGA 1680
QY 1681 GCTGGGCTGTATTCTGCCACACCCAGGCCAAGCTGCCACCTTCTATTGTTTTGAG 1740
DB 1681 GCTGGGCTGTATTCTGCCACACCCAGGCCAAGCTGCCACCTTCTATTGTTTTGAG 1740
QY 1741 ACCCGATGCTTTCAGGCTGCCCCCTTGTGATCTGAGGCTCTTCACTCAATTTTC 1800
DB 1741 ACCCGATGCTTTCAGGCTGCCCCCTTGTGATCTGAGGCTCTTCACTCAATTTTC 1800
QY 1801 TTGGTTGAGCAACAGTCCAGAGAGGCGCACGCTGAGAGTCCGCTCTTAAAGA 1860
DB 1801 TTGGTTGAGCAACAGTCCAGAGAGGCGCACGCTGAGAGTCCGCTCTTAAAGA 1860
QY 1861 TGACTTACATTAATATGATGATCTTC 1886
DB 1861 TGACTTACATTAATATGATGATCTTC 1886

```

RESULT 3
US-10-085-117-53
; Sequence 53, Application US/10085117
; Publication No. US2003023234A1
; GENERAL INFORMATION:
; APPLICANT: Morris, David W.
; APPLICANT: Engelhard, Eric K.
; TITLE OF INVENTION: NOVEL COMPOSITIONS AND METHODS FOR CANCER
; FILE REFERENCE: 529452000i21
; CURRENT APPLICATION NUMBER: US/10/085,117
; CURRENT FILING DATE: 2002-02-27
; PRIOR APPLICATION NUMBER: US 09/798,586
; PRIOR FILING DATE: 2001-03-02
; NUMBER OF SEQ ID NOS: 361
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 53
; LENGTH: 1886
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-085-117-53

```

Query Match	99.5%	Score 1886;	DB 17;	Length 1886;
Best Local Similarity	100.0%	Pred. No. 0;		
Matches 1886;	Conservative 0;	Mismatches 0;	Indels 0;	Gaps 0;

Oy	1	GTCTAAGCGGCTTGTGTCTCAAGGGAACGGGGCGGATCTTCTCGGCAATGAGAAAGCA	60
Db	1	GTCTAAGCGGCTTGTGTCTCAAGGGAACGGGGCGGATCTTCTCGGCAATGAGAAAGCA	60
Oy	61	GCCGCTGGCTTCTTCCCTCATCTCGAAGAGTGTCTCTCTCTGTGGCACTTCGCA	120
Db	61	GCCGCTGGCTTCTTCCCTCATCTCGAAGAGTGTCTCTCTGTGGCACTTCGCA	120
Oy	121	GCCAGAGTTGCACTCAAGGCCCACTCCAGGACGCTCTCTCTTACCGAATACGA	180
Db	121	GCCAGAGTTGCACTCAAGGCCCACTCCAGGACGCTCTCTCTTACCGAATACGA	180
Oy	181	CGCTTCTTGGCATGTGTACTCCAACTGTGAAGGCAAGACACTACCTGGCTTCCTGTCA	240
Db	181	CGCTTCTTGGCATGTGTACTCCAACTGTGAAGGCAAGACACTACCTGGCTTCCTGTCA	240
Oy	241	ACCCAGGCTGCGGGAATCCACACTCGTCCAGCTGGAACATATATGAAAAACAGCGCTTA	300
Db	241	ACCCAGGCTGCGGGAATCCACACTCGTCCAGCTGGAACATATATGAAAAACAGCGCTTA	300
Oy	301	GTGCCGATGATGTCTGTGTCTCCAACTCCCTTATGCTCTGTGATGATCTTCTTGC	360
Db	301	GTGCCGATGATGTGTCTGTGTCTCCAACTCCCTTATGCTCTGTGATGATCTTCTTGC	360
Oy	361	CAGTTTCACTACTACCGTTGTCTCCAAACGCTCTACTATGCCAAGAGTCTGTGTCTCC	420
Db	361	CAGTTTCACTACTACCGTTGTCTCCAAACGCTCTACTATGCCAAGAGTCTGTGTCTCC	420
Oy	421	CAGCCAGTCTTAATTCTCTCACTTAACACTCTCAAGGAGATGAAAGCTTCAGCTGAAGTC	480
Db	421	CAGCCAGTCTTAATTCTCTCACTTAACACTCTCAAGGAGATGAAAGCTTCAGCTGAAGTC	480
Oy	481	TCACCAACCAAGATGACCTCCCCATTTCACTCCCATTTCAAGTACAGAACGCCAGACC	540
Db	481	TCACCAACCAAGATGACCTCCCCATTTCACTCCCATTTCAAGTACAGAACGCCAGACC	540
Oy	541	TTTCAAGCCTTGGCTGTGAAGGCTCAGCAACAACGTGGAAGACTCTCTAACAATCTCTTG	600
Db	541	TTTCAAGCCTTGGCTGTGAAGGCTCAGCAACAACGTGGAAGACTCTCTAACAATCTCTTG	600
Oy	601	TCCCTGTGGAAGCCAGAGCAACGCCAGAGCAACAAGCAAGAACAGATGAGACACAG	660
Db	601	TCCCTGTGGAAGCCAGAGCAACGCCAGAGCAACAAGCAAGAACAGATGAGACACAG	660
Oy	661	CAGAGCCGACACAAAGACAAAGCAAGAAAGGGCAGAAACAGAGAGTCAAGACAG	720
Db	661	CAGAGCCGACACAAAGACAAAGCAAGAAAGGGCAGAAACAGAGAGTCAAGACAG	720

D6	661	CAGAGCCGACACAAAGAACACACAGCAGAGAGAGGGCGCAAAACAGAAAGCAAGAAAG	720
QY	721	GAACAGAGAAAGAGGGGAAAGCAGAGAAAGAGAGACAGGGACCTAAGAGGGACGGAGGCT	780
D6	721	GAACAGAGAAAGAGGGGAAAGAGCAGAGAAAGAGAGACAGGGGACCTAAGAGGGGACGGAGGCT	780
QY	781	GTGCTCAGAGCTGCGAGAGAGACTCAGAGCCCAAGTTTCACTGTAATCTATCTTCTTAC	840
D6	781	GTGCTCAGAGCTGCGAGAGAGACTCAGAGCCCAAGTTTCACTGTAATCTATCTTCTTAC	840
QY	841	CCCTTCCTCTTTTGGCTCCCGGGGTACGAGAAAGTAGAGTCTACTCCTAATGATNATGAGAAC	900
D6	841	CCCTTCCTCTTTTGGCTCCCGGGGTACGAGAAAGTAGAGTCTACTCCTAATGATNATGAGAAC	900
QY	901	ATCCAGAGAGCTCAATTCGATCAGCCACAGAAATAGATGAATGAATATATATATGATGAG	960
D6	901	ATCCAGAGAGCTCAATTCGATCAGCCACAGAAATAGATGAATGAATATATATATGATGAG	960
QY	961	AACCTCCTAATCGAGAAACCAAAACCCCTGGGACGTTCTCGACGCTGCCACACAGAGGCC	1020
D6	961	AACCTCCTAATCGAGAAACCAAAACCCCTGGGACGTTCTCGACGCTGCCACACAGAGGCC	1020
QY	1021	TTTGGTGGTGTGTGTCTATTGCAATCGTGGAGAAATCTGTCAATCAATACCCCCACAGCCAG	1080
D6	1021	TTTGGTGGTGTGTGTCTATTGCAATCGTGGAGAAATCTGTCAATCAATACCCCCACAGCCAG	1080
QY	1081	GCCTGGAAGTACATGAGAGAGAGAGATCCCTTGTTTGGGAAAGTCGGTCTGTGACGCTT	1140
D6	1081	GCCTGGAAGTACATGAGAGAGAGAGATCCCTTGTTTGGGAAAGTCGGTCTGTGACGCTT	1140
QY	1141	GGGGGGGAGACATGCTCTACCTGGCCCTCGTGAATCTTGCTCTTGAAGCTGGAGAG	1200
D6	1141	GGGGGGGAGACATGCTCTACCTGGCCCTCGTGAATCTTGCTCTTGAAGCTGGAGAG	1200
QY	1201	TGCCACTCAGAGGCGACGCTGCACGGGCAACAATAGCGACACCTCCACAAAGCTCCCTT	1260
D6	1201	TGCCACTCAGAGGCGACGCTGCACGGGCAACAATAGCGACACCTCCACAAAGCTCCCTT	1260
QY	1261	GTCAGCCCTCTTGTGCTCCACAGAGCCTGTCCATCGGCAACAGAGTGGGCTCCCGAGAA	1320
D6	1261	GTCAGCCCTCTTGTGCTCCACAGAGCCTGTCCATCGGCAACAGAGTGGGCTCCCGAGAA	1320
QY	1321	TCAGGCGGCTTTTACGGGCTGGAATTTGTACGGTGGGCTCCACATNGACTTCTGCTGAGCC	1380
D6	1321	TCAGGCGGCTTTTACGGGCTGGAATTTGTACGGTGGGCTCCACATNGACTTCTGCTGAGCC	1380
QY	1381	CGGCTTGCACAGAAAGGCTGTGAAGATGTCCGAGCTCTGGGTTGGCTCCAGACTGAGTTC	1440
D6	1381	CGGCTTGCACAGAAAGGCTGTGAAGATGTCCGAGCTCTGGGTTGGCTCCAGACTGAGTTC	1440
QY	1441	CTTAGCTTCCAGAGTGGGGATTTTCCCTACCAAGATTTGTGACAGACACTATATCCAGTAC	1500
D6	1441	CTTAGCTTCCAGAGTGGGGATTTTCCCTACCAAGATTTGTGACAGACACTATATCCAGTAC	1500
QY	1501	CCAAACTATCTGTCTCTTCAAAAGCCACAGTGTGATGAGAAACCGCAATCGGAAGGTG	1560
D6	1501	CCAAACTATCTGTCTCTTCAAAAGCCACAGTGTGATGAGAAACCGCAATCGGAAGGTG	1560
QY	1561	TCCGCGAATGAGATGTCTGCAAGATGAGACTTACAGTGGGCTGCAGCCCTGCAGAAAGTGAG	1620
D6	1561	TCCGCGAATGAGATGTCTGCAAGATGAGACTTACAGTGGGCTGCAGCCCTGCAGAAAGTGAG	1620
QY	1621	GACGTTGTGCTTCGATGGAGCCAGAGAGTTCAGCACTTGACTAGGCAAGTTCGATGA	1680
D6	1621	GACGTTGTGCTTCGATGGAGCCAGAGAGTTCAGCACTTGACTAGGCAAGTTCGATGA	1680
QY	1681	GCTGGCGCTATTTCTGCCACACCCCAAGCCCAACCTGGCCACGTTCTCTATTTGTTTGAAG	1740
D6	1681	GCTGGCGCTATTTCTGCCACACCCCAAGCCCAACCTGGCCACGTTCTCTATTTGTTTGAAG	1740
QY	1741	ACCCCATTTGCTTTCAGGCTGCCCTTCTGGGCTGTGTTACTGGGCCCTACATCATTTTCC	1800
D6	1741	ACCCCATTTGCTTTCAGGCTGCCCTTCTGGGCTGTGTTACTGGGCCCTACATCATTTTCC	1800

QY 1801 TTGGGTGAGCAACAGTCCAGAGAGGCGCCAGTGGAGCTGCGCTCTTTAAAGA 1860
DB 1801 TTGGGTGAGCAACAGTCCAGAGAGGCGCCAGTGGAGCTGCGCTCTTTAAAGA 1860
QY 1861 TGACTTTACATMAAATTTGATCTTC 1886
DB 1861 TGACTTTACATMAAATTTGATCTTC 1886

RESULT 4
US-10-719-993-124
; Sequence 124, Application US/10719993
; Publication No. US20040265849A1
; GENERAL INFORMATION:
; APPLICANT: CARGILL, Michele et al.
; TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH
; FILE REFERENCE: ALZHEIMER'S DISEASE, METHODS OF DETECTION AND USES THEREOF
; CURRENT APPLICATION NUMBER: US/10/719,993
; NUMBER OF SEQ. ID NOS: 55342
; SOFTWARE: FASTSEQ for Windows Version 4.0
; SEQ ID NO 124
; LENGTH: 1892
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-719-993-124

Query Match 99.3%; Score 1881.8; DB 20; Length 1892;
Best Local Similarity 99.6%; Pred. No. 0;
Matches 1880; Conservative 5; Mismatches 2; Indels 0; Gaps 0;

QY 1 GTTAGAGCGGCTTGTCTCCAGAGAGCGCGGAGATCTTCTCCGCGATGAGAGGCA 60
DB 4 GTTAGAGCGGCTTGTCTCCAGAGAGCGCGGAGATCTTCTCCGCGATGAGAGGCA 63
QY 61 GCGGTGAGCTTCTCCCTCACTCTGAAGTGTGCTCTGCGCTCTGAGACCTGCGCA 120
DB 64 GCGGTGAGCTTCTCCCTCACTCTGAAGTGTGCTCTGCGCTCTGAGACCTGCGCA 123
QY 121 GCCCAGAGATTGACTCAGAGGCGCCCACTCAGAGAGCCCTCTCTCTTCTTCAAGATGAA 180
DB 124 GCCCAGAGATTGACTCAGAGGCGCCCACTCAGAGAGCCCTCTCTCTTCTTCAAGATGAA 183
QY 181 CGCTTCTTGGCACTGCTGATCTCAGAGGAGGAGACTTCTGCTCTTCTGCTGCA 240
DB 184 CGCTTCTTGGCACTGCTGATCTCAGAGGAGGAGACTTCTGCTCTTCTGCTGCA 243
QY 241 ACCCAGGCGGCGGAGATCCCACTGCTGCTGAGTGAAGATATGAAACCAAGGCTTA 300
DB 244 ACCCAGGCGGCGGAGATCCCACTGCTGCTGAGTGAAGATATGAAACCAAGGCTTA 303
QY 301 GTGCGCGAGTGTCTGCTCTCAGAGCTTCTATGCTCTCTGCTTCTGCTTCTGCTG 360
DB 304 GTGCGCGAGTGTCTGCTCTCAGAGCTTCTATGCTCTCTGCTTCTGCTTCTGCTG 363
QY 361 CAGTTCACTCACTGAGTGTCTCAGAGCTTCTATGCTCTTCTGCTTCTGCTTCTGCT 420
DB 364 CAGTTCACTCACTGAGTGTCTCAGAGCTTCTATGCTCTTCTGCTTCTGCTTCTGCT 423
QY 421 CAGGCGAGTGTCTTCTCTCAGAGCTTCTATGCTCTTCTGCTTCTGCTTCTGCTG 480
DB 424 CAGGCGAGTGTCTTCTCTCAGAGCTTCTATGCTCTTCTGCTTCTGCTTCTGCTG 483
QY 481 TCACCCAGCAGATGAGTCTCCCATCTCAAGGAGTGAAGGTTGAGCTGAGATC 540
DB 484 TCACCCAGCAGATGAGTCTCCCATCTCAAGGAGTGAAGGTTGAGCTGAGATC 543
QY 541 TTCGAGCCCTGAGCTGAGAGGCTCAGAGCAAGTGAAGAGTCTCTCAATCTCTGTTG 600
DB 544 TTCGAGCCCTGAGCTGAGAGGCTCAGAGCAAGTGAAGAGTCTCTCAATCTCTGTTG 603

QY 601 TCCCTGAGAGCCAGAGAGCAAGGCGCCAGAGCAACAGAGAGAGAGTGAAGCAAGG 660
DB 604 TCCCTGAGAGCCAGAGAGCAAGGCGCCAGAGCAACAGAGAGAGAGTGAAGCAAGG 663
QY 661 CAGAGAGCCAGCAGAGAGCAAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 720
DB 664 CAGAGAGCCAGCAGAGAGCAAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 723
QY 721 GAACAGAGAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 780
DB 724 GAACAGAGAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 783
QY 781 GTGTCTCAGCTGAGAGAGAGTCAAGTCAAGAGCCCAAGTTTCACTCTGATCTTATCTTCTTAC 840
DB 784 GTGTCTCAGCTGAGAGAGTCAAGTCAAGAGCCCAAGTTTCACTCTGATCTTATCTTCTTAC 843
QY 841 CTTTCTCTTTTCTCTCCCGGGTACAGAGAGTGAAGTCTTCTTATGATATGAGAGAC 900
DB 844 CTTTCTCTTTTCTCTCCCGGGTACAGAGAGTGAAGTCTTCTTATGATATGAGAGAC 903
QY 901 ATCCAGAGAGTCAATTGATCAGGCGCAGAGAAATGAAATGAAATATATATGATGAG 960
DB 904 ATCCAGAGAGTCAATTGATCAGGCGCAGAGAAATGAAATGAAATATATATGATGAG 963
QY 961 AACTCTACTGAG 1020
DB 964 AACTCTACTGAG 1023
QY 1021 TTGCTGT 1080
DB 1024 TTGCTGT 1083
QY 1081 GCTGGAAGTGAACAG 1140
DB 1084 GCTGGAAGTGAACAG 1143
QY 1141 GGGCGGCGACACATGTCTACTGTGCTCTGTGACTTCTGCTCTTGAAGCTGAGCAG 1200
DB 1144 GGGCGGCGACACATGTCTACTGTGCTCTGTGACTTCTGCTCTTGAAGCTGAGCAG 1203
QY 1201 TGGCACTCAGAGGCGAGCTGAGAGGCGCAACATGCGACACTTCCACAGAGCTCTTT 1260
DB 1204 TGGCACTCAGAGGCGAGCTGAGAGGCGCAACATGCGACACTTCCACAGAGCTCTTT 1263
QY 1261 GTGAGGCGCTGTGCTCTCCAGAGGCTGCTCATGAGGAGAGAGAGAGAGAGAG 1320
DB 1264 GTGAGGCGCTGTGCTCTCCAGAGGCTGCTCATGAGGAGAGAGAGAGAGAGAG 1323
QY 1321 TCAGGCGGCTTTTACAGGCTGATTTGTACGAGTGTGCTCACAATGAGACTTGTGTGCC 1380
DB 1324 TCAGGCGGCTTTTACAGGCTGATTTGTACGAGTGTGCTCACAATGAGACTTGTGTGCC 1383
QY 1381 CGGCTTGGCAGAGAGAGGCTGTGAGAGTGTCCAGTCTTGTGTGCTTCCAGACTGATTC 1440
DB 1384 CGGCTTGGCAGAGAGAGGCTGTGAGAGTGTCCAGTCTTGTGTGCTTCCAGACTGATTC 1443
QY 1441 CTTAGCTTCAAGATGAGGAGATTTCCCTACCAAGATTTGTGAGCACAAGATATATCCAGTAC 1500
DB 1444 CTTAGCTTCAAGATGAGGAGATTTCCCTACCAAGATTTGTGAGCACAAGATATATCCAGTAC 1503
QY 1501 CCAAACTACTGTCTCTTCAAAAGCCAGAGTGTCTGATGAGAAACCGCAATGGAAGTGT 1560
DB 1504 CCAAACTACTGTCTCTTCAAAAGCCAGAGTGTCTGATGAGAAACCGCAATGGAAGTGT 1563
QY 1561 TCCCGATGAGATGTCTGAGAGATGAGACTTCAAGTGTGAGCTTGTGCAAAAGTGTAG 1620
DB 1564 TCCCGATGAGATGTCTGAGAGATGAGACTTCAAGTGTGAGCTTGTGCAAAAGTGTAG 1623
QY 1621 GAGCTTGTGCTTCAAGTGTGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 1680
DB 1624 GAGCTTGTGCTTCAAGTGTGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 1683
QY 1681 GCTGCGCTTATTTGCGCCACAGAGCCCAAGCTGCGCCAGAGTCTTATTTGTTGAG 1740

Db	1141	CGACACATGTCTACCTGTGTCCCTCTGTACTTCTGTCTCTTGAAGCTGGACATGGCCAC	1200
Qy	1207	TCAGAGGCCAGCTCTCAGCGGCAACAATGCGACACTTCCACAAGACTCCCTTGTGCAGC	1266
Db	1201	TCAGAGGCCAGCTCTCAGCGGCAACAATGCGACACTTCCACAAGACTCCCTTGTGCAGC	1260
Qy	1267	CCCTTGCTTGGCCTCCAGAGCCTGTCCATCCGGCAACAGAGTAAAGGTCCCCAGAAATCAAGC	1326
Db	1261	CCCTTGCTTGGCCTCCAGAGCCTGTCCATCCGGCAACAGAGTAAAGGTCCCCAGAAATCAAGC	1320
Qy	1327	CGCTTTTACGGGCTGATTTTGTGACGGTGGGCTCCACATGAACTTCTGTGTGTGCCCGGCTT	1386
Db	1321	CGCTTTTACGGGCTGATTTTGTGACGGTGGGCTCCACATGAACTTCTGTGTGTGCCCGGCTT	1380
Qy	1387	GCCACGAAAGGCTGTGAAGATGTCCGAGTCTTCTGTGGTGGCTTCCAGACTGAATTCCTTAGC	1446
Db	1381	GCCACGAAAGGCTGTGAAGATGTCCGAGTCTTCTGTGGTGGCTTCCAGACTGAATTCCTTAGC	1440
Qy	1447	TTCCAGAGTGGGGATTTTCCCTTACCAAGATTTGTGACACAGACTATATTCAGTACCACAC	1506
Db	1441	TTCCAGAGTGGGGATTTTCCCTTACCAAGATTTGTGACACAGACTATATTCAGTACCACAC	1500
Qy	1507	TACTGTTCCTTCAAAAAGCCAGACAGTGTCTGTATGAGAAACCGCAATCCGGAAGTGTCCCGC	1566
Db	1501	TACTGTTCCTTCAAAAAGCCAGACAGTGTCTGTATGAGAAACCGCAATCCGGAAGTGTCCCGC	1560
Qy	1567	ATGAGATGTCTGCAAGATGAGACTTACACAGTGCCTGAGCCCTGGCAAAAGTGAAGAGCTT	1626
Db	1561	ATGAGATGTCTGCAAGATGAGACTTACACAGTGCCTGAGCCCTGGCAAAAGTGAAGAGCTT	1619
Qy	1627	GTGC-TTGGATGAGAGCCCAAGAGTTGAGACCTTGACTCTAGGCCCAATTCCGAGTAGCTGG	1685
Db	1620	GTGCTTTGTGATGAGAGCCCAAGAGTTGAGACCTTGACTCTAGGCCCAATTCCGAGTAGCTGG	1679
Qy	1686	GGTCAATTCTGGCCCAACCCCAAGCCCAACCTGCCAGCGTCTCTAATGTTTTSAGACCCC	1745
Db	1680	GGTCAATTCTGGCCCAACCCCAAGCCCAACCTGCCAGCGTCTCTAATGTTTTSAGACCCC	1739
Qy	1746	ATTGCTTTCAGAGCTGCCCCCTTCTGTGGTCTGTACTCGGCCCCCTACTACATATTCCTTGGG	1805
Db	1740	ATTGCTTTCAGAGCTGCCCCCTTCTGTGGTCTGTACTCGGCCCCCTACTACATATTCCTTGGG	1799
Qy	1806	TTGGAGCAACAGTCCCAAGAGGGCCACCGTGGAGCTGCGCCTCTCTTAAAGATGACT	1865
Db	1800	TTGGAGCAACAGTCCCAAGAGGGCCACCGTGGAGCTGCGCCTCTCTTAAAGATGACT	1859
Qy	1866	TTACATAAATGTGATCTTCAAAAAAAA	1895
Db	1860	TTACATAAATGTGATCTTCAAAAAAAA	1889

[illegible]

QY 324 CAACCTCCCTTATGCTCTGTTGAGTCTTTCTGCACTGCTACCTACCTGCTC 383
 DB 313 CAACCTCCCTTATGCTCTGTTGAGTCTTTCTGCACTGCTACCTACCTGCTC 372
 QY 384 CAACCTGCTTACTATGCTCAAGAGTCTGTTGCTCCAGCCAGTCTTATTTCTCACC 443
 DB 373 CAACCTGCTTACTATGCTCAAGAGTCTGTTGCTCCAGCCAGTCTTATTTCTCACC 432
 QY 444 TAACTCTCAAGAGTATGAGCTTCAAGCTGAGTCTCAACCAAGAGTACCTCCCC 503
 DB 433 TAACTCTCAAGAGTATGAGCTTCAAGCTGAGTCTCAACCAAGAGTACCTCCCC 492
 QY 504 CATCTCAACCTTCACTGACAGAACCCAGACCTTCAAGCTTCAAGCTTCAAGCT 563
 DB 493 CATCTCAACCTTCACTGACAGAACCCAGACCTTCAAGCTTCAAGCTTCAAGCT 552
 QY 564 CAGCAACAGTGTGAGAGTCTTCAATCTCTCTGTTCTCTGAGAGCCAGAGCAAGC 623
 DB 553 CAGCAACAGTGTGAGAGTCTTCAATCTCTCTGTTCTCTGAGAGCCAGAGCAAGC 612
 QY 624 GCCAGAGCAACAG 683
 DB 613 GCCAGAGCAACAG 672
 QY 684 GCAG 743
 DB 673 GCAG 732
 QY 744 GGAAG 803
 DB 733 GGAAG 792
 QY 804 AGAGCCCAAGTTTCACTGAGTCTTCAATCTCTTCAACCTCTCTCTCTCTCTCT 863
 DB 793 AGAGCCCAAGTTTCACTGAGTCTTCAATCTCTTCAACCTCTCTCTCTCTCTCT 852
 QY 864 ACAGAGAGTATGAGTCTTCTTATGATGAGAGAGAGAGAGAGAGAGAGAGAGAG 923
 DB 853 ACAGAGAGTATGAGTCTTCTTATGATGAGAGAGAGAGAGAGAGAGAGAGAGAG 912
 QY 924 CCAGAGAGTATGAGTATGAGTATGAGTATGAGTATGAGTATGAGTATGAGTAT 983
 DB 913 CCAGAGAGTATGAGTATGAGTATGAGTATGAGTATGAGTATGAGTATGAGTAT 972
 QY 984 CCTGAGAGTCTCTGAGTCTGAGTCTGAGTCTGAGTCTGAGTCTGAGTCTGAGT 1043
 DB 973 CCTGAGAGTCTCTGAGTCTGAGTCTGAGTCTGAGTCTGAGTCTGAGTCTGAGT 1031
 QY 1044 CCGTGAAGATATCTGATCATTAACCCCAAGAGAGAGAGAGAGAGAGAGAGAG 1103
 DB 1032 CCGTGAAGATATCTGATCATTAACCCCAAGAGAGAGAGAGAGAGAGAGAGAG 1091
 QY 1104 GATCTTGTGTTTGGGAGTGGTCTGTGACAGCTTGGGCGGCGACATGTCTACCTG 1163
 DB 1092 GATCTTGTGTTTGGGAGTGGTCTGTGACAGCTTGGGCGGCGACATGTCTACCTG 1151
 QY 1164 TGGCTCTGTGACTTGTCTCTTGAAGTGTGAGAGAGAGAGAGAGAGAGAGAGAG 1223
 DB 1152 TGGCTCTGTGACTTGTCTCTTGAAGTGTGAGAGAGAGAGAGAGAGAGAGAGAG 1211
 QY 1224 GGGGCAACATGAG 1283
 DB 1212 GGGGCAACATGAG 1270
 QY 1284 GAGCTGTGATCGGCAACAGGTAGAGTCCCAAGATCAAGGCGCTTTTACGGGCTGGA 1343
 DB 1271 GAGCTGTGATCGGCAACAGGTAGAGTCCCAAGATCAAGGCGCTTTTACGGGCTGGA 1330
 QY 1344 TTTGTACGGTGGGCTCAATGAGATTTGTGTGCTGCGGCTTGGCAAGAGAGCTGTGA 1403
 DB 1331 TTTGTACGGTGGGCTCAATGAGATTTGTGTGCTGCGGCTTGGCAAGAGAGCTGTGA 1390
 QY 1404 AGATGTCCGAGTCTGTGGGTGGCTCAGACTGAGTCTTGTAGCTTCAAGATGGGATTT 1463

DB 1391 AGATGTCCGAGTCTGTGGGTGGCTCAGACTGAGTCTTGTAGCTTCAAGAGAGAGAG-TT 1449
 QY 1464 CCTTACCAAGATTTGTGACACAGACTATATCCAGTATCCCAACTACTGTTCTTCAAAAG 1523
 DB 1450 CCTTACCAAGATTTGTGACACAGACTATATCCAGTATCCCAACTACTGTTCTTCAAAAG 1509
 QY 1524 CCAGCAGTGTGATGAGAGAAACCGCAATGAGAGAGTCCCGATGAGATGTGAGAG 1583
 DB 1510 CCAGCAGTGTGATGAGAGAAACCGCAATGAGAGAGTCCCGATGAGATGTGAGAG 1569
 QY 1584 TGAGACTTACAGTGTGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 1643
 DB 1570 TGAGACTTACAGTGTGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 1629
 QY 1644 GAGTGTGAG 1703
 DB 1630 GAGTGTGAG 1689
 QY 1704 CCAGCCCAACCTGAG 1763
 DB 1690 CCAGCCCAACCTGAG 1749
 QY 1764 CTCTGAGTCTGTACTGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 1823
 DB 1750 CTCTGAGTCTGTACTGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 1809
 QY 1824 AGAGGAG 1883
 DB 1810 AGAGGAG 1868
 QY 1884 TTCAAAAAAAAAA 1895
 DB 1869 TTCAAAAAAAAAA 1880

RESULT 8

US-10-085-117-54
 ; Sequence 54, Application US/10085117
 ; Publication No. US2003023234A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Morris, David W.
 ; APPLICANT: Engelhard, Eric K.
 ; TITLE OF INVENTION: NOVEL COMPOSITIONS AND METHODS FOR CANCER
 ; FILE REFERENCE: 529452000121
 ; CURRENT APPLICATION NUMBER: US/10/085,117
 ; PRIOR FILING DATE: 2002-02-27
 ; PRIOR APPLICATION NUMBER: US 09/798,586
 ; NUMBER OF SEQ ID NOS: 361
 ; SOFTWARE: FastSeq for Windows Version 4.0
 ; SEQ ID NO 54
 ; LENGTH: 1632
 ; TYPE: DNA
 ; ORGANISM: Homo sapiens
 US-10-085-117-54

Query Match 86.1%; Score 1632; DB 17; Length 1632;

Best Local Similarity 100.0%; Pred. No. 0;

Matches 1632; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 49 ATGAG 108
 DB 1 ATGAG 60
 QY 109 GCACTGTGCGAG 168
 DB 61 GCACTGTGCGAG 120
 QY 169 ACCGAAATGAAAG 228
 DB 121 ACCGAAATGAAAG 180

QY 229 CGTCCGTCGAAACCCAGCGCTCCGGGAATCCACATCTGTCAGCTGGAGCAATATGAA 288
Db 181 CGTCCGTCGAAACCCAGCGCTCCGGGAATCCACATCTGTCAGCTGGAGCAATATGAA 240
QY 289 AACCAAGGCTTAGTCCCGGATGTCGTCTGCTCCAACTCCCTTANAGCTCTGCTT 348
Db 241 AACCAAGGCTTAGTCCCGGATGTCGTCTGCTCCAACTCCCTTANAGCTCTGCTT 300
QY 349 GAGCTTTCTCCAGCTTCACTCACTACCGTTCCTCAACCAAGCTTCACTATATGCAAGA 408
Db 301 GAGCTTTCTCCAGCTTCACTCACTACCGTTCCTCAACCAAGCTTCACTATATGCAAGA 360
QY 409 GTCTGTGTTCACAGCCAGCTTCTATCTCTCACTTAACTCTCAAGAGATGAACT 468
Db 361 GTCTGTGTTCACAGCCAGCTTCTATCTCTCACTTAACTCTCAAGAGATGAACT 420
QY 469 TCAGCTGAAGTCAACCCACAGATGACCTCCCACTCAACCCCTTCAAGTGA 528
Db 421 TCAGCTGAAGTCAACCCACAGATGACCTCCCACTCAACCCCTTCAAGTGA 480
QY 529 GAAAGCCAGACCTTTCAGCCCTGCTGAGAGCTCAGCAACAGTGAAGAGCTCTTA 588
Db 481 GAAAGCCAGACCTTTCAGCCCTGCTGAGAGCTCAGCAACAGTGAAGAGCTCTTA 540
QY 589 CAATCTCTTGTCTGAGAGGCGCAGAGCAAGCGCCAGCAACAGAGCAAGAA 648
Db 541 CAATCTCTTGTCTGAGAGGCGCAGAGCAAGCGCCAGCAACAGAGCAAGAA 600
QY 649 GTGAGACACAGGACAGGACCCACACAAAGAAACAAAGAGAGAGAGGAGCAAGAA 708
Db 601 GTGAGACACAGGACAGGACCCACACAAAGAAACAAAGAGAGAGAGGAGCAAGAA 660
QY 709 GAGCAAGAGAGAGAAACAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 768
Db 661 GAGCAAGAGAGAGAAACAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 720
QY 769 GAGAGGAGAGCTGTGTCTAGCTCAGACAGACTCAGAGCCCAAGTTTCACTGAACT 828
Db 721 GAGAGGAGAGCTGTGTCTAGCTCAGACAGACTCAGAGCCCAAGTTTCACTGAACT 780
QY 829 CTATCTTCTTAACTCTTCTCTTTTGTCTCCCGGGTACAGAAATGATGATCTATG 888
Db 781 CTATCTTCTTAACTCTTCTCTTTTGTCTCCCGGGTACAGAAATGATGATCTATG 840
QY 889 ATATGAGAAATCCAGAGAGCTATGATGATGATGATGATGATGATGATGATGAA 948
Db 841 ATATGAGAAATCCAGAGAGCTATGATGATGATGATGATGATGATGATGATGAA 900
QY 949 ATATGATGAGAACTCTTCTAGTGAAGAAACCAAAACCTTGACAGCTTCTGACAGTCCC 1008
Db 901 ATATGATGAGAACTCTTCTAGTGAAGAAACCAAAACCTTGACAGCTTCTGACAGTCCC 960
QY 1009 CACACAGAGGCTTGT 1068
Db 961 CACACAGAGGCTTGT 1020
QY 1069 CCCACAGGAGGCTTGT 1128
Db 1021 CCCACAGGAGGCTTGT 1080
QY 1129 TGTGACAGGCTTGT 1188
Db 1081 TGTGACAGGCTTGT 1140
QY 1189 AAGCTGAGAGCTTGT 1248
Db 1141 AAGCTGAGAGCTTGT 1200
QY 1249 AAGCTGAGAGCTTGT 1308
Db 1201 AAGCTGAGAGCTTGT 1260
QY 1309 GGGTCCCGAGAAATCAGGCGCTTTTACGGGCTGGAATTTGTACGGTGGGCTTCAATGAC 1368

Db 1261 GGGTCCCGAGAAATCAGGCGCTTTTACGGGCTGGAATTTGTACGGTGGGCTTCAATGAC 1320
QY 1369 TTTCTGAGTGTCCCGGCTTGTCCAGAAAGCTGTGAAGATGTCCGAGTCTCGGGTGTCTC 1428
Db 1321 TTTCTGAGTGTCCCGGCTTGTCCAGAAAGCTGTGAAGATGTCCGAGTCTCGGGTGTCTC 1380
QY 1429 CAGACTGAGTTCCTTACGCTTCCAGATGAGGAGATTTTCCCTACCAAGATTTGTGACACAG 1488
Db 1381 CAGACTGAGTTCCTTACGCTTCCAGATGAGGAGATTTTCCCTACCAAGATTTGTGACACAG 1440
QY 1489 TATATCCAGTACCCAAATCTACTGTCTTCAAAAGCCAGAGAGTGTGATGAGAAACCCG 1548
Db 1441 TATATCCAGTACCCAAATCTACTGTCTTCAAAAGCCAGAGAGTGTGATGAGAAACCCG 1500
QY 1549 AATCGAAGGTGTCCCGCATGAGATGTGTGCAAGATGAGACTTACAGTGGCTGAGCCCT 1608
Db 1501 AATCGAAGGTGTCCCGCATGAGATGTGTGCAAGATGAGACTTACAGTGGCTGAGCCCT 1560
QY 1609 GGCAGAAAGTGAAGGACGTTGTCTTGTGATGAGAGCCAGAGTTTCAAGCTTGAAGGC 1668
Db 1561 GGCAGAAAGTGAAGGACGTTGTCTTGTGATGAGAGCCAGAGTTTCAAGCTTGAAGGC 1620
QY 1669 CAGTTGAGATGA 1680
Db 1621 CAGTTGAGATGA 1632

RESULT 9

US-10-296-115-693
; Sequence 693, Application US/10296115
; Publication No. US20040053248A1
; GENERAL INFORMATION:
; APPLICANT: Hyseq Inc
; TITLE OF INVENTION: No. US20040053248A1el Nucleic Acids and Polypeptides
; FILE REFERENCE: 784Pct
; CURRENT APPLICATION NUMBER: US/10/296, 115
; CURRENT FILING DATE: 2002-11-18
; PRIOR APPLICATION NUMBER: US09/488, 725
; PRIOR FILING DATE: 2000-01-21
; PRIOR APPLICATION NUMBER: US09/552, 317
; PRIOR FILING DATE: 2000-04-25
; NUMBER OF SEQ ID NOS: 1478
; SEQ ID NO 693
; LENGTH: 1671
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-296-115-693

Query Match

Best Local Similarity 99.8%; Pred. No. 0;
Matches 1273; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 91 GTGCTGCTCTGCTCTGTGCACTGCGACCTGCGAGCCCAAGATTCAGACTAGAGCCCACTCCA 150
Db 397 GTGCTGCTCTGCTCTGTGCACTGCGACCTGCGAGCCCAAGATTCAGACTAGAGCCCACTCCA 456
QY 151 GGGAGGCT 210
Db 457 GGGAGGCT 516
QY 211 AAGGAGAGACTAGCTGCTGCTGCAACCCAGGCTGCGGATTCACACTGCTC 270
Db 517 AAGGAGAGACTAGCTGCTGCTGCAACCCAGGCTGCGGATTCACACTGCTC 576
QY 271 CAGCTGAGCAATATGAAAAACAGGCTTATGTCGCCGATGTCGTCTGCTCAACTC 330
Db 577 CAGCTGAGCAATATGAAAAACAGGCTTATGTCGCCGATGTCGTCTGCTCAACTC 636
QY 331 CCTTATGCTCTCGGTTGAGTCTTCTGCAAGTTCAGTCACTCACTACGTTGCTCAACAC 390
Db 637 CCTTATGCTCTCGGTTGAGTCTTCTGCAAGTTCAGTCACTCACTACGTTGCTCAACAC 656

QY 391 GTCTACTATGCCAAGAGAGTCTGTGTGCCAGGCACTCTTATTTCTCTCACTTAACACT 450
 DB 697 GTCTACTATGCCAAGAGAGTCTGTGTGCCAGGCACTCTTATTTCTCTCACTTAACACT 756
 QY 451 CTGAAGAGATTAAGAGTTTCACTGAAGTCTCAACCCCAACGATGACTCTCCCATTTCA 510
 DB 757 CTGAAGAGATTAAGAGTTTCACTGAAGTCTCAACCCCAACGATGACTCTCCCATTTCA 816
 QY 511 CCCCACTTCAAGTGAAGAGAGGCAAGGCACTTCCAGGCTTGGGCTTGAAGGCTCAGAAC 570
 DB 817 CCCCACTTCAAGTGAAGAGAGGCAAGGCACTTCCAGGCTTGGGCTTGAAGGCTCAGAAC 876
 QY 571 AACGTGAAGAGCTCTTCAATCTCTTGTCTCCCTGGAGGCAAGAGAGGCAAGGCAAG 630
 DB 877 AACGTGAAGAGCTCTTCAATCTCTTGTCTCCCTGGAGGCAAGAGAGGCAAGGCAAG 936
 QY 631 CACAAGAGAGAGAGAGAGTGAAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 690
 DB 937 CACAAGAGAGAGAGAGAGTGAAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 996
 QY 691 GAGGAG 750
 DB 997 GAGGAG 1056
 QY 751 GAG 810
 DB 1057 GAG 1116
 QY 811 AAGTTTCACTCTGAATCTTATCTTCTTCAACCTTCTCTTCTTCTTCTTCTTCTTCT 870
 DB 1117 AAGTTTCACTCTGAATCTTATCTTCTTCTTCAACCTTCTCTTCTTCTTCTTCTTCT 1176
 QY 871 GTAGAGTCTCTCTTATGATATGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 930
 DB 1177 GTAGAGTCTCTCTTATGATATGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 1236
 QY 931 ATAGATGAATGAATGAATGAATGAATGAATGAATGAATGAATGAATGAATGAATGA 990
 DB 1237 ATAGATGAATGAATGAATGAATGAATGAATGAATGAATGAATGAATGAATGAATGA 1296
 QY 991 AGCTTCTGAGAGTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1050
 DB 1297 AGCTTCTGAGAGTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1356
 QY 1051 AATACCTGATCAATPAAACCCCAAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 1110
 DB 1357 AATACCTGATCAATPAAACCCCAAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 1416
 QY 1111 GGTTCGGGAGAGTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1170
 DB 1417 GGTTCGGGAGAGTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1476
 QY 1171 TGTGACTTCTGCTCTTGAAGCTGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 1230
 DB 1477 TGTGACTTCTGCTCTTGAAGCTGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 1536
 QY 1231 CAATGGAAG 1290
 DB 1537 CAATGGAAG 1596
 QY 1291 TCCATGCGAAG 1350
 DB 1597 TCCATGCGAAG 1656
 QY 1351 GGTGGGCTCCATG 1365
 DB 1657 GGTGGGCTCCATG 1671

RESULT 10
 US-10-085-117-50
 ; Sequence 50, Application US/10085117
 ; Publication No. US2003023234A1

; GENERAL INFORMATION:
 ; APPLICANT: Morris, David W.
 ; APPLICANT: Engelhard, Eric K.
 ; TITLE OF INVENTION: NOVEL COMPOSITIONS AND METHODS FOR CANCER
 ; FILE REFERENCE: 52945200121
 ; CURRENT APPLICATION NUMBER: US/10/085,117
 ; PRIOR FILING DATE: 2002-02-27
 ; PRIOR FILING DATE: 2001-03-02
 ; NUMBER OF SEQ ID NOS: 361
 ; SOFTWARE: FastSeq for Windows Version 4.0
 ; SEQ ID NO 50
 ; LENGTH: 1840
 ; TYPE: DNA
 ; ORGANISM: Mus musculus
 ; US-10-085-117-50

Query Match 59.5%; Score 1128.2; DB 17; Length 1840;

Best Local Similarity 77.5%; Pred. No. 0;

Matches 1422; Conservative 0; Mismatches 398; Indels 15; Gaps 4;

QY 26 AGCGGCGGAGATCTTCTCCGCGATGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 85
 DB 13 AGCGGCGGAGATCTTCTCCGCGATGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 72
 QY 86 TGAAGGTGCTGCTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 145
 DB 73 TGAAGGTGCTGCTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 129
 QY 146 CTCGAGGAG 205
 DB 130 CTCGAGGAG 189
 QY 206 CTCGAGGAG 265
 DB 190 CTCGAGGAG 249
 QY 266 TCGTCAGCTGAG 325
 DB 250 TCGTCAGCTGAG 309
 QY 326 ACCCTCCCTTATGCTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 385
 DB 310 ACCCTCCCTTATGCTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 369
 QY 386 ACCAGCTCTATGAG 445
 DB 370 ACCAGCTCTATGAG 429
 QY 446 ACACTCTCAAGAGATGAG 505
 DB 430 ACACTCTCAAGAGATGAG 489
 QY 506 TCTCAACCCCACTTCAAGTGAAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 565
 DB 490 TGTGTCCATGCAAG 549
 QY 566 GCAAG 625
 DB 550 GCAAG 609
 QY 626 CAG 685
 DB 610 GCAAGTGAAG 666
 QY 686 AGAAG 742
 DB 667 TAGAAG 726
 QY 743 AGAAG 802
 DB 727 AGAAG 786

RESULT 12
US-09-978-360A-262
Sequence 262, Application US/0978360A
Publication No. US20040110939A1
GENERAL INFORMATION:
APPLICANT: Edwards, Jean-Baptiste Dumas Milne
APPLICANT: Duclert, Aymeric
APPLICANT: Bougueleret, Lydie

```

APPLICANT: Jobert, Severin
APPLICANT: Clusel, Catherine
TITLE OF INVENTION: Complementary DNA's Encoding Proteins with Signal Peptides
FILE REFERENCE: 56, US4, CIP
CURRENT APPLICATION NUMBER: US/09/978, 360A
CURRENT FILING DATE: 2001-10-15
PRIOR APPLICATION NUMBER: US 60/066, 677
PRIOR FILING DATE: 1997-11-13
PRIOR APPLICATION NUMBER: US 60/069, 957
PRIOR FILING DATE: 1997-12-17
PRIOR APPLICATION NUMBER: US 60/074, 121
PRIOR FILING DATE: 1998-02-09
PRIOR APPLICATION NUMBER: US 60/081, 563
PRIOR FILING DATE: 1998-04-13
PRIOR APPLICATION NUMBER: US 60/096, 116
PRIOR FILING DATE: 1998-08-10
PRIOR APPLICATION NUMBER: US 60/099, 273
PRIOR FILING DATE: -09-04
PRIOR APPLICATION NUMBER: US 09/191, 997
PRIOR FILING DATE: 1998-11-13
PRIOR APPLICATION NUMBER: US 09/215, 435
PRIOR FILING DATE: 1998-12-17
PRIOR APPLICATION NUMBER: PCT/IB98/02122
PRIOR FILING DATE: 1998-12-17
PRIOR APPLICATION NUMBER: US 09/247, 155
PRIOR FILING DATE: 1999-02-09
Remaining Prior Application data removed - See File Wrapper or PALM.
NUMBER OF SEQ ID NOS: 810
SOFTWARE: Patent.pm
SEQ ID NO 262
LENGTH: 964
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: CDS
LOCATION: 21..527
FEATURE:
NAME/KEY: sig_peptide
LOCATION: 21..95
OTHER INFORMATION: Von Heijne matrix
OTHER INFORMATION: score 8.5
OTHER INFORMATION: seq LKVLILPLAPAAA/QD
FEATURE:
NAME/KEY: polyA_signal
LOCATION: 921..926
FEATURE:
NAME/KEY: polyA_site
LOCATION: 953..963
US-09-978-360A-262

49.5%; Score 937.6; DB 11; Length 964;
Best Local Similarity 99.3%; Pred. No. 7.4e-274;
Matches 948; Conservative 3; Mismatches 3; Indels 1; Gaps 1;

QY 30 GGGCGAATCTTTCGCGCATGAGAAAGCCAGCGCTGCTTCTTCCCTCACTCCTGAA 89
Db 2 GGGCGAATCTTTCGCGCATGAGAAAGCCAGCGCTGCTTCTTCCCTCACTCCTGAA 61
QY 90 GGTCTCTCTCTGCTCTGTGGACCTGCGCAGCCCAAGATTGACTGAGGCCCACTCC 149
Db 62 GGTCTCTCTCTGCTCTGTGGACCTGCGCAGCCCAAGATTGACTGAGGCCCACTCC 121
QY 150 AGGAGCCCTCTCTCTCTACCGAATAGAAAGCTTCTTCCGACCTGACTCCAACCTG 209
Db 122 AGGAGCCCTCTCTCTCTACCGAATAGCAACGCTTCTTCCGACCTGACTCCAACCTG 181
QY 210 GAAGGCAGAGACTACCTGCGCTCTCCGTGCAACCAAGCTGCGGAAATCCCACTCGT 269
Db 182 GAAGGCAGAGACTACCTGCGCTCTCCGTGCAACCAAGCTGCGGAAATCCCACTCGT 241
QY 270 CCAGCTGGACCAATATGAAAAACAAGCTTATGTCGCGGATGCTGCTCCAACT 329
Db 242 CCAGCTGGACCAATATGAAAAACAAGCTTATGTCGCGGATGCTGCTCCAACT 301

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OM nucleic - nucleic search, using sw model

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(without alignments)
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Title: US-09-559-013E-23

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Scoring table: OLIGO_NUC
Gapop 60.0 , Gapext 60.0

Searched: 1202784 seqs, 818138359 residues

Word size : 10

Total number of hits satisfying chosen parameters: 2405568

Minimum DB seq length: 0
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Post-processing: Listing first 45 summaries

Database :

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6: /cgn2_6/prodata/1/ina/backfile1.seq:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysts of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB	ID	Description
1	71	3.7	316	4	US-09-621-976-3396	Sequence 3396, Ap
2	20	1.1	792	4	US-09-489-039A-6886	Sequence 6886, Ap
3	20	1.1	1701	4	US-09-489-039A-7008	Sequence 7008, Ap
4	20	1.1	2470	2	US-07-745-206A-14	Sequence 14, Appl
5	20	1.1	2470	2	US-08-311-363-14	Sequence 14, Appl
6	20	1.1	5467	1	US-07-745-206A-12	Sequence 12, Appl
7	20	1.1	5467	2	US-08-311-363-12	Sequence 12, Appl
8	20	1.1	6232	3	US-08-456-200B-11	Sequence 11, Appl
9	20	1.1	7175	2	US-08-455-543A-8	Sequence 8, Appl
10	20	1.1	7175	2	US-08-193-078B-8	Sequence 8, Appl
11	20	1.1	7175	2	US-08-323-305C-8	Sequence 8, Appl
12	20	1.1	7175	2	US-08-149-097D-8	Sequence 8, Appl
13	20	1.1	7175	3	US-08-949-386-8	Sequence 8, Appl
14	20	1.1	7175	3	US-08-450-562-8	Sequence 8, Appl
15	20	1.1	7175	3	US-08-984-709A-8	Sequence 8, Appl
16	20	1.1	7175	4	US-08-450-272-8	Sequence 8, Appl
17	20	1.1	7175	4	US-08-450-273-8	Sequence 8, Appl
18	20	1.1	7177	3	US-09-268-163-7	Sequence 7, Appl
19	20	1.1	7266	3	US-08-713-118-1	Sequence 1, Appl
20	20	1.1	7266	3	US-09-452-007-1	Sequence 1, Appl
21	20	1.1	7362	2	US-08-455-543A-7	Sequence 7, Appl
22	20	1.1	7362	2	US-08-193-078B-7	Sequence 7, Appl
23	20	1.1	7362	2	US-08-323-305C-7	Sequence 7, Appl
24	20	1.1	7362	2	US-08-149-097D-7	Sequence 7, Appl
25	20	1.1	7362	3	US-08-949-386-7	Sequence 7, Appl
26	20	1.1	7362	3	US-08-450-562-7	Sequence 7, Appl
27	20	1.1	7362	3	US-08-984-709A-7	Sequence 7, Appl

C 28	20	1.1	7362	3	US-08-450-272-7	Sequence 7, Appl
C 29	20	1.1	7362	4	US-08-450-273-7	Sequence 7, Appl
C 30	20	1.1	7364	3	US-09-268-163-5	Sequence 5, Appl
C 31	20	1.1	7376	3	US-09-268-163-3	Sequence 3, Appl
C 32	19	1.0	25	4	US-09-396-196C-30035	Sequence 30035, A
C 33	19	1.0	357	4	US-09-513-999C-32017	Sequence 32017, A
C 34	19	1.0	580	4	US-09-621-976-627	Sequence 627, App
C 35	19	1.0	601	4	US-09-949-016-38201	Sequence 38201, A
C 36	19	1.0	601	4	US-09-949-016-38202	Sequence 38202, A
C 37	19	1.0	601	4	US-09-949-016-38203	Sequence 38203, A
C 38	19	1.0	601	4	US-09-949-016-68405	Sequence 68405, A
C 39	19	1.0	601	4	US-09-949-016-68406	Sequence 68406, A
C 40	19	1.0	601	4	US-09-949-016-68407	Sequence 68407, A
C 41	19	1.0	601	4	US-09-949-016-164746	Sequence 164746, A
C 42	19	1.0	601	4	US-09-949-016-204230	Sequence 204230, A
C 43	19	1.0	601	4	US-09-949-016-204231	Sequence 204231, A
C 44	19	1.0	603	3	US-09-328-111-244	Sequence 244, App
C 45	19	1.0	1287	4	US-09-914-841A-2	Sequence 2, Appl

ALIGNMENTS

```

RESULT 1
US-09-621-976-3396
; Sequence 3396, Application US/09621976
; Patent No. 6639063
; GENERAL INFORMATION:
; APPLICANT: Dumas Milne Edwards, J.B.
; APPLICANT: Jober, S.
; TITLE OF INVENTION: ESTe and Encoded Human Proteins.
; FILE REFERENCE: GENSET 054PR2
; CURRENT APPLICATION NUMBER: US/09/621,976
; CURRENT FILING DATE: 2000-07-21
; NUMBER OF SEQ ID NOS: 19335
; SOFTWARE: Patent.pm
; SEQ ID NO 3396
; LENGTH: 316
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 66..311
; NAME/KEY: misc_feature
; LOCATION: 301
; OTHER INFORMATION: n=a, g, c o r l
US-09-621-976-3396

Query Match
Best Local Similarity 100.0%; Pred.No. 6.4e-24;
Matches 71; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 143 CCACCTCAGGAGCCCTCTCTCTACCGAATACGACGCTTTCGACGTGCTACTC 202
|||
Db 157 CCACCTCAGGAGCCCTCTCTCTCTACCGAATACGACGCTTTCGACGTGCTACTC 216
|||

QY 203 CAACCTGGAAG 213
|||
Db 217 CAACCTGGAAG 227

RESULT 2
US-09-489-039A-6886
; Sequence 6886, Application US/09489039A
; Patent No. 6610836
; GENERAL INFORMATION:
; APPLICANT: Gary Breton et. al
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO KLEBSIELLA
; FILE REFERENCE: 2709.2004001
; CURRENT APPLICATION NUMBER: US/09/489,039A
; CURRENT FILING DATE: 2000-01-27

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PRIOR APPLICATION NUMBER: US 60/117,747
PRIOR FILING DATE: 1999-01-29
NUMBER OF SEQ ID NOS: 14342
SEQ ID NO 6886
LENGTH: 792
TYPE: DNA
ORGANISM: Klebsiella pneumoniae
US-09-489-039A-6886

Query Match 1.1%; Score 20; DB 4; Length 792;
Best Local Similarity 100.0%; Pred. No. 22;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1288 CTGTCATCGGCACACAGGT 1307
Db 68 CTGTCATCGGCACACAGGT 87

RESULT 3
US-09-489-039A-7008

Sequence 7008, Application US/09489039A
Patent No. 6610836
GENERAL INFORMATION:
APPLICANT: Gary Breton et. al
TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO KLEBSIELLA
FILE REFERENCE: 2709.2004001
CURRENT APPLICATION NUMBER: US/09/489,039A
CURRENT FILING DATE: 2000-01-27
PRIOR APPLICATION NUMBER: US 60/117,747
PRIOR FILING DATE: 1999-01-29
NUMBER OF SEQ ID NOS: 14342
SEQ ID NO 7008
LENGTH: 1701
TYPE: DNA
ORGANISM: Klebsiella pneumoniae
US-09-489-039A-7008

Query Match 1.1%; Score 20; DB 4; Length 1701;
Best Local Similarity 100.0%; Pred. No. 21;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1288 CTGTCATCGGCACACAGGT 1307
Db 82 CTGTCATCGGCACACAGGT 101

RESULT 4

US-07-745-206A-14/c
Sequence 14, Application US/07745206A
Patent No. 5429921
GENERAL INFORMATION:
APPLICANT: Harpold, Michael
APPLICANT: Ellis, Steven
APPLICANT: Williams, Mark
APPLICANT: McCue, Ann
APPLICANT: Feldman, Daniel
TITLE OF INVENTION: Human Calcium Channel Compositions and
METHODS
NUMBER OF SEQUENCES: 32
CORRESPONDENCE ADDRESS:
ADDRESSEE: Fitch, Even, Tabin & Flannery
STREET: 135 S. LaSalle
CITY: Chicago
STATE: Illinois
COUNTRY: U.S.A.
ZIP: 60603
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/07/745,206A
FILING DATE: 19910815
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Feder, Scott B
REFERENCE/DOCKET NUMBER: 51504
TELECOMMUNICATION INFORMATION:
TELEPHONE: 312-372-7842
INFORMATION FOR SEQ ID NO: 14:
SEQUENCE CHARACTERISTICS:
LENGTH: 2470 base pairs
TYPE: NUCLEIC ACID
STRANDEDNESS: unknown
TOPOLOGY: unknown
MOLECULE TYPE: DNA (genomic)
FEATURE:
NAME/KEY: CDS
LOCATION: 1..2469
US-07-745-206A-14

Query Match 1.1%; Score 20; DB 1; Length 2470;
Best Local Similarity 100.0%; Pred. No. 21;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 701 AACGAGAGCAGCAGAGAG 720
Db 1856 AACGAGAGCAGCAGAGAG 1837

RESULT 5
US-08-311-363-14/c

Sequence 14, Application US/08311363
Patent No. 5876958
GENERAL INFORMATION:
APPLICANT: Harpold, Michael
APPLICANT: Ellis, Steven
APPLICANT: Williams, Mark
APPLICANT: Feldman, Daniel
APPLICANT: McCue, Ann
APPLICANT: Brenner, Robert
TITLE OF INVENTION: Human Calcium Channel Compositions and
METHODS
NUMBER OF SEQUENCES: 32
CORRESPONDENCE ADDRESS:
ADDRESSEE: Brown, Martin, Haller & McClain
STREET: 1660 Union Street
CITY: San Diego
STATE: California
COUNTRY: USA
ZIP: 92101-2926
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/311,363
FILING DATE:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/745,206
FILING DATE: 15-AUG-1991
ATTORNEY/AGENT INFORMATION:
NAME: Seidman, Stephanie L.
REGISTRATION NUMBER: 33,779
REFERENCE/DOCKET NUMBER: 6362-51506
TELECOMMUNICATION INFORMATION:
TELEPHONE: (619)238-0062
TELEFAX: (619)238-0062
INFORMATION FOR SEQ ID NO: 14:
SEQUENCE CHARACTERISTICS:
LENGTH: 2470 base pairs
TYPE: nucleic acid
STRANDEDNESS: unknown

TOPOLOGY: unknown
MOLECULE TYPE: DNA (genomic)
FEATURE:
NAME/KEY: CDS
LOCATION: 1..2469
US-08-311-363-14

Query Match 1.1%; Score 20; DB 2; Length 2470;
Best Local Similarity 100.0%; Pred. No. 21;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 701 AACGAGAGCAAGAGAG 720
DB 1856 AACGAGAGCAAGAGAG 1837

RESULT 6
US-07-745-206A-12/C
Sequence 12, Application US/07745206A
Patent No. 5429921

GENERAL INFORMATION:
APPLICANT: Harpold, Michael
APPLICANT: Ellis, Steven
APPLICANT: Williams, Mark
APPLICANT: McCue, Ann
APPLICANT: Feldman, Daniel
TITLE OF INVENTION: Human Calcium Channel Compositions and
TITLE OF INVENTION: Methods
NUMBER OF SEQUENCES: 32
CORRESPONDENCE ADDRESS:
ADDRESSEE: Fitch, Even, Tabin & Flannery
STREET: 135 S. LaSalle
CITY: Chicago
STATE: Illinois
COUNTRY: U.S.A.
ZIP: 60603

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/07/745,206A
FILING DATE: 19910815
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Feder, Scott B
REFERENCE/DOCKET NUMBER: 51504
TELECOMMUNICATION INFORMATION:
TELEPHONE: 312-372-7842

INFORMATION FOR SEQ ID NO: 12:
SEQUENCE CHARACTERISTICS:
LENGTH: 5467 base pairs
TYPE: NUCLEIC ACID
STRANDEDNESS: unknown
TOPOLOGY: unknown
MOLECULE TYPE: DNA (genomic)

NAME/KEY: CDS
LOCATION: join(144..3164, 3168..3245, 3249..3386, 3390
LOCATION: ..3392, 3396..3488, 3495..3539, 3543..3581, 3585
LOCATION: ..3587, 3591..3626, 3630..3689, 3693..3737, 3744
LOCATION: ..3746, 3750..4823, 4827..4841, 4845..5006, 5010
LOCATION: ..5096, 5100..5306, 5310..5366, 5370..5465)
US-07-745-206A-12

Query Match 1.1%; Score 20; DB 1; Length 5467;
Best Local Similarity 100.0%; Pred. No. 20;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 701 AACGAGAGCAAGAGAG 720
DB 1999 AACGAGAGCAAGAGAG 1980

RESULT 7
US-08-311-363-12/C
Sequence 12, Application US/08311363
Patent No. 5876958

GENERAL INFORMATION:
APPLICANT: Harpold, Michael
APPLICANT: Ellis, Steven
APPLICANT: Williams, Mark
APPLICANT: Feldman, Daniel
APPLICANT: McCue, Ann
APPLICANT: Brenner, Robert
TITLE OF INVENTION: Human Calcium Channel Compositions and
TITLE OF INVENTION: Methods
NUMBER OF SEQUENCES: 32
CORRESPONDENCE ADDRESS:
ADDRESSEE: Brown, Martin, Haller & McClain
STREET: 1660 Union Street
CITY: San Diego
STATE: California
COUNTRY: USA
ZIP: 92101-2926

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/311,363
FILING DATE:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/745,206
FILING DATE: 15-AUG-1991
ATTORNEY/AGENT INFORMATION:
NAME: Seidman, Stephanie L.
REGISTRATION NUMBER: 33,779
REFERENCE/DOCKET NUMBER: 6362-51506
TELECOMMUNICATION INFORMATION:
TELEPHONE: (619)238-0999
TELEFAX: (619)238-0062

INFORMATION FOR SEQ ID NO: 12:
SEQUENCE CHARACTERISTICS:
LENGTH: 5467 base pairs
TYPE: nucleic acid
STRANDEDNESS: unknown
TOPOLOGY: unknown
MOLECULE TYPE: DNA (genomic)
FEATURE:
NAME/KEY: CDS
LOCATION: join(144..3164, 3168..3245, 3249..3386, 3390
LOCATION: ..3392, 3396..3488, 3495..3539, 3543..3581, 3585
LOCATION: ..3587, 3591..3626, 3630..3689, 3693..3737, 3744
LOCATION: ..3746, 3750..4823, 4827..4841, 4845..5006, 5010
LOCATION: ..5096, 5100..5306, 5310..5366, 5370..5465)
US-08-311-363-12

Query Match 1.1%; Score 20; DB 2; Length 5467;
Best Local Similarity 100.0%; Pred. No. 20;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 701 AACGAGAGCAAGAGAG 720
DB 1999 AACGAGAGCAAGAGAG 1980

RESULT 8

US-08-456-200B-11/C
Sequence 11, Application US/08456200B
Patent No. 6229000

GENERAL INFORMATION:
APPLICANT: Franz, Jurgen; Weingartner, Bernhard;
APPLICANT: Unterbeck, Axel; Rae, Peter

TITLE OF INVENTION: TISSUE-SPECIFIC HUMAN NEURONAL
TITLE OF INVENTION: CALCIUM CHANNEL SUB-TYPES AND
TITLE OF INVENTION: THEIR USE
NUMBER OF SEQUENCES: 17
CORRESPONDENCE ADDRESS:
ADDRESSEE: SPRUNG HORN KRAMER & WOODS
STREET: 660 White Plains Road
CITY: Tarrytown
STATE: New York
COUNTRY: U.S.A.
ZIP: 10591-5144
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette, 3.5 inch, 1.44 MB
COMPUTER: NEC Powermate SX/20
OPERATING SYSTEM: DOS
SOFTWARE: WordPerfect 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/456,200B
FILING DATE: 31-MAY-1995
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/094,712
FILING DATE: 19-JUL-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/858,278
FILING DATE: 26-MAR-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/064,778
FILING DATE: 19-MAY-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: DE 41 10 785
FILING DATE: 04-APR-1991
ATTORNEY/AGENT INFORMATION:
NAME: Kurt G. Briscoe
REGISTRATION NUMBER: 33,141
REFERENCE/DOCKET NUMBER: Bayer 8398.3-KGB
TELECOMMUNICATION INFORMATION:
TELEPHONE: (914) 332-1700
TELEFAX: (914) 332-1844
TELEX:
INFORMATION FOR SEQ ID NO: 11:
SEQUENCE CHARACTERISTICS:
LENGTH: 6232 nucleotides
TYPE: Nucleotide
STRANDEDNESS: Single
TOPOLOGY: Linear
MOLECULE TYPE: CDNA
US-08-456-200B-11

Query Match 1.1%; Score 20; DB 3; Length 6232;
Best Local Similarity 100.0%; Pred. No. 20;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 701 AACAGGAAGCAAGAGAG 720
DB 887 AACAGGAAGCAAGAGAG 868

RESULT 9
US-08-455-543A-8/C
Sequence 8, Application US/08455543A
Patent No. 5792846
GENERAL INFORMATION:
APPLICANT: Harpold, Michael
APPLICANT: Ellis, Steven
APPLICANT: Williams, Mark
APPLICANT: Feldman, Daniel
APPLICANT: McCue, Ann
APPLICANT: Brenner, Robert
TITLE OF INVENTION: HUMAN CALCIUM CHANNEL COMPOSITIONS AND
TITLE OF INVENTION: METHODS
NUMBER OF SEQUENCES: 57

CORRESPONDENCE ADDRESS:
ADDRESSEE: Brown, Martin, Haller & McClain
STREET: 1660 Union Street
CITY: San Diego
STATE: California
COUNTRY: USA
ZIP: 92101-2926
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FastSeq Version 1.5
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/455,543A
FILING DATE: May 31, 1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/223,305
FILING DATE: April 4, 1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/868,354
FILING DATE: April 10, 1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/745,206
FILING DATE: 15-AUG-1991
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/620,250
FILING DATE: 30-NOV-1990
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/482,384
FILING DATE: 20-FEB-1990
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/603,751
FILING DATE: 04-APR-1989
PRIOR APPLICATION DATA:
APPLICATION NUMBER: WO PCT/US89/01408
FILING DATE: 04-APR-1989
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/176,899
FILING DATE: 04-APR-1988
ATTORNEY/AGENT INFORMATION:
NAME: Seidman, Stephanie L.
REGISTRATION NUMBER: 33,779
REFERENCE/DOCKET NUMBER: 6362-52517
TELECOMMUNICATION INFORMATION:
TELEPHONE: (619)238-0999
TELEFAX: (619)238-0062
INFORMATION FOR SEQ ID NO: 8:
SEQUENCE CHARACTERISTICS:
LENGTH: 7175 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
FEATURE:
NAME/KEY: CDS
LOCATION: 144..6857
FEATURE:
NAME/KEY: 5'UTR
LOCATION: 1..143
FEATURE:
NAME/KEY: 3'UTR
LOCATION: 6855..7175
US-08-455-543A-8

Query Match 1.1%; Score 20; DB 1; Length 7175;
Best Local Similarity 100.0%; Pred. No. 20;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 701 AACAGGAAGCAAGAGAG 720
DB 1999 AACAGGAAGCAAGAGAG 1980

RESULT 10
US-08-193-078B-8/c
; Sequence 8, Application US/08193078B
; Patent No. 5846757
; GENERAL INFORMATION:
; APPLICANT: Harpold, Michael
; APPLICANT: Ellis, Steven
; APPLICANT: Williams, Mark
; APPLICANT: Feldman, Daniel
; APPLICANT: McCue, Ann
; APPLICANT: Brenner, Robert
; TITLE OF INVENTION: HUMAN CALCIUM CHANNEL COMPOSITIONS AND
; TITLE OF INVENTION: METHODS
; NUMBER OF SEQUENCES: 29
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: BROWN, MARTIN, HALLER & MCCLAIN
; STREET: 1660 UNION STREET
; CITY: SAN DIEGO
; STATE: CA
; COUNTRY: USA
; ZIP: 92101
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/193,078B
; FILING DATE: 07-FEB-1994
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/868,354
; FILING DATE: 10-APR-1992
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/745,206
; FILING DATE: 15-AUG-1991
; ATTORNEY/AGENT INFORMATION:
; NAME: Seidman, Stephanie L.
; REGISTRATION NUMBER: 33,779
; REFERENCE/DOCKET NUMBER: 6362-53607
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 619-238-0999
; TELEFAX: 619-238-0062
; INFORMATION FOR SEQ ID NO: 8:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 7175 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 144..6857
; FEATURE:
; NAME/KEY: 5'UTR
; LOCATION: 1..143
; FEATURE:
; NAME/KEY: 3'UTR
; LOCATION: 6855..7175
; US-08-193-078B-8
Query Match 1.1%; Score 20; DB 2; Length 7175;
Best Local Similarity 100.0%; Pred. No. 20;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 701 AACGGAAGAGCAAGAGAG 720
|||||
Db 1999 AACGGAAGAGCAAGAGAG 1980

RESULT 11
US-08-223-305C-8/c
; Sequence 8, Application US/08223305C

; Patent No. 5851824
; GENERAL INFORMATION:
; APPLICANT: Harpold, Michael
; APPLICANT: Ellis, Steven
; APPLICANT: Williams, Mark
; APPLICANT: Feldman, Daniel
; APPLICANT: McCue, Ann
; APPLICANT: Brenner, Robert
; TITLE OF INVENTION: HUMAN CALCIUM CHANNEL COMPOSITIONS AND
; TITLE OF INVENTION: METHODS
; NUMBER OF SEQUENCES: 57
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Brown, Martin, Haller & McClain
; STREET: 1660 Union Street
; CITY: San Diego
; STATE: California
; COUNTRY: USA
; ZIP: 92101-2926
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: PatSeq Version 1.5
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/223,305C
; FILING DATE: April 4, 1994
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 07/868,354
; FILING DATE: April 10, 1992
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/745,206
; FILING DATE: 15-AUG-1991
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/620,250
; FILING DATE: 30-NOV-1990
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/482,384
; FILING DATE: 20-FEB-1990
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/603,751.
; FILING DATE: 04-APR-1989
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: WO PCT/US89/01408
; FILING DATE: 04-APR-1989
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/176,899
; FILING DATE: 04-APR-1988
; ATTORNEY/AGENT INFORMATION:
; NAME: Seidman, Stephanie L.
; REGISTRATION NUMBER: 33,779
; REFERENCE/DOCKET NUMBER: 52516 (P519739)
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (619)238-0999
; TELEFAX: (619)238-0062
; INFORMATION FOR SEQ ID NO: 8:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 7175 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 144..6857
; FEATURE:
; NAME/KEY: 5'UTR
; LOCATION: 1..143
; FEATURE:
; NAME/KEY: 3'UTR
; LOCATION: 6855..7175
; US-08-223-305C-8
Query Match 1.1%; Score 20; DB 2; Length 7175;

Best Local Similarity 100.0%; Pred. No. 20;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Oy 701 AACAGAAAGCAGAAAGAG 720
Db 1999 AACAGAAAGCAGAAAGAG 1980

RESULT 12

US-08-149-097D-8/c
Sequence 8, Application US/08149097D

Patent No. 5874236

GENERAL INFORMATION:

APPLICANT: Harpold, Michael

APPLICANT: Ellis, Steven

APPLICANT: Williams, Mark

APPLICANT: Feldman, Daniel

APPLICANT: McCue, Ann

APPLICANT: Brenner, Robert

TITLE OF INVENTION: HUMAN CALCIUM CHANNEL COMPOSITIONS AND

TITLE OF INVENTION: METHODS

NUMBER OF SEQUENCES: 40

CORRESPONDENCE ADDRESS:

ADDRESSEE: Brown, Martin, Haller & McClain

STREET: 1660 Union Street

CITY: San Diego

STATE: California

COUNTRY: USA

ZIP: 92101-2926

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patentin Release #1.0, Version #1.25

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/149,097D

FILING DATE: 05-NOV-1993

CLASSIFICATION: 435

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 08/105,536

FILING DATE: 11-AUG-1993

PRIOR APPLICATION DATA:

APPLICATION NUMBER: WO PCT/US92/06903

FILING DATE: 14-AUG-1992

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 07/914,231

FILING DATE: 13-JUL-1992

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 07/868,354

FILING DATE: 10-APR-1992

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 07/745,206

FILING DATE: 15-AUG-1991

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 07/620,250

FILING DATE: 30-NOV-1990

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 07/482,384

FILING DATE: 20-FEB-1990

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 07/603,751

FILING DATE: 04-APR-1989

PRIOR APPLICATION DATA:

APPLICATION NUMBER: WO PCT/US89/01408

FILING DATE: 04-APR-1989

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 07/176,899

FILING DATE: 04-APR-1988

ATTORNEY/AGENT INFORMATION:

NAME: Seidman, Stephanie L.

REGISTRATION NUMBER: 33,779

REFERENCE/DOCKET NUMBER: 6362-55038

TELECOMMUNICATION INFORMATION:

TELEPHONE: (619) 238-0999
TELEFAX: (619) 238-0062
INFORMATION FOR SEQ ID NO: 8:

SEQUENCE CHARACTERISTICS:

LENGTH: 7175 base pairs

TYPE: nucleic acid

STRANDEDNESS: double

TOPOLOGY: linear

MOLECULE TYPE: DNA (genomic)

FEATURE:

NAME/KEY: CDS

LOCATION: 144..6857

FEATURE:

NAME/KEY: 5'UTR

LOCATION: 1..143

FEATURE:

NAME/KEY: 3'UTR

LOCATION: 6855..7175

US-08-149-097D-8

Query Match 1.1%; Score 20; DB 2; Length 7175;

Best Local Similarity 100.0%; Pred. No. 20;

Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Oy 701 AACAGAAAGCAGAAAGAG 720
Db 1999 AACAGAAAGCAGAAAGAG 1980

RESULT 13

US-08-949-386-8/c
Sequence 8, Application US/08949386

Patent No. 6090623

GENERAL INFORMATION:

APPLICANT: Harpold, Michael

APPLICANT: Ellis, Steven

APPLICANT: Williams, Mark

APPLICANT: McCue, Ann

APPLICANT: Gillespie, Allison

TITLE OF INVENTION: HUMAN CALCIUM CHANNEL COMPOSITIONS AND

TITLE OF INVENTION: METHODS

NUMBER OF SEQUENCES: 38

CORRESPONDENCE ADDRESS:

ADDRESSEE: Brown, Martin, Haller & McClain

STREET: 1660 Union Street

CITY: San Diego

STATE: California

COUNTRY: US

ZIP: 92101

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patentin Release #1.0, Version #1.25

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/949,386

FILING DATE:

CLASSIFICATION:

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US/08/290,012

FILING DATE: 11-AUG-1994

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 08/149,097

FILING DATE: 5-NOV-1993

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 08/105,536

FILING DATE: 11-AUG-1993

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 08/149,097

FILING DATE: 04-APR-1988

ATTORNEY/AGENT INFORMATION:

NAME: Seidman, Stephanie L.

REGISTRATION NUMBER: 33,779

REFERENCE/DOCKET NUMBER: 519808

TELECOMMUNICATION INFORMATION:

TELEPHONE: (619) 238-0999

TELEFAX: (619) 238-0062

INFORMATION FOR SEQ ID NO: 8:
SEQUENCE CHARACTERISTICS:
LENGTH: 7175 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
FEATURE:
NAME/KEY: CDS
LOCATION: 144..6857
FEATURE:
NAME/KEY: 5'UTR
LOCATION: 1..143
FEATURE:
NAME/KEY: 3'UTR
LOCATION: 6855..7175
US-08-949-386-8

Query Match 1.1%; Score 20; DB 3; Length 7175;
Best Local Similarity 100.0%; Pred. No. 20;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 701 AACGAGAGCAAGAG 720
DB 1999 AACGAGAGCAAGAG 1980

RESULT 14
US-08-450-562-8/C
Sequence 8, Application US/08450562
Patent No. 6096514
GENERAL INFORMATION:
APPLICANT: Harpold, Michael
APPLICANT: Ellis, Steven
APPLICANT: Williams, Mark
APPLICANT: McCue, Ann
APPLICANT: Gillespie, Alison
APPLICANT: Feldman, Daniel
APPLICANT: Brenner, Robert
TITLE OF INVENTION: HUMAN CALCIUM CHANNEL COMPOSITIONS AND
METHODS
NUMBER OF SEQUENCES: 38
CORRESPONDENCE ADDRESS:
ADDRESSEE: Brown, Martin, Haller & McClain
STREET: 1660 Union Street
CITY: San Diego
STATE: California
COUNTRY: US
ZIP: 92101
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/450,562
FILING DATE:
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/404,950
FILING DATE: 13-MAR-1995
APPLICATION NUMBER: 08/336,257
FILING DATE: 7-NOV-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/314,083
FILING DATE: 28-SEPT-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/311,363
FILING DATE: 23-SEPT-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/290,012
FILING DATE: 11-AUG-1994
PRIOR APPLICATION DATA:

APPLICATION NUMBER: 08/223,305
FILING DATE: 4-APR-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/193,078
FILING DATE: 07-FEB-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/149,097
FILING DATE: 5-NOV-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/105,536
FILING DATE: 11-AUG-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/914,231
FILING DATE: 13-JULY-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/868,354
FILING DATE: 10-APR-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: PCT/US92/06903
FILING DATE: 14-AUG-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/745,206
FILING DATE: 15-AUG-1991
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/620,250
FILING DATE: 30-NOV-1990
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/603,751
FILING DATE: 08-NOV-1990
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/482,384
FILING DATE: 02-FEB-1990
PRIOR APPLICATION DATA:
APPLICATION NUMBER: PCT/US89/01408
FILING DATE: 04-APR-1989
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/176,899
FILING DATE: 04-APR-1988
ATTORNEY/AGENT INFORMATION:
NAME: Seidman, Stephanie L.
REGISTRATION NUMBER: 33,779
REFERENCE/DOCKET NUMBER: 6362-519812
TELECOMMUNICATION INFORMATION:
TELEPHONE: (619) 238-0999
TELEFAX: (619) 238-0062
INFORMATION FOR SEQ ID NO: 8:
SEQUENCE CHARACTERISTICS:
LENGTH: 7175 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
FEATURE:
NAME/KEY: CDS
LOCATION: 144..6857
FEATURE:
NAME/KEY: 5'UTR
LOCATION: 1..143
FEATURE:
NAME/KEY: 3'UTR
LOCATION: 6855..7175
US-08-450-562-8

Query Match 1.1%; Score 20; DB 3; Length 7175;
Best Local Similarity 100.0%; Pred. No. 20;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 701 AACGAGAGCAAGAG 720
DB 1999 AACGAGAGCAAGAG 1980

RESULT 15

US-08-984-709A-8/c
; Sequence 8, Application US/08984709A
; Patent No. 6320032
; GENERAL INFORMATION:
; APPLICANT: Williams, Mark E.
; APPLICANT: Stauderman, Kenneth A.
; APPLICANT: Harpold, Michael M.
; TITLE OF INVENTION: HUMAN CALCIUM CHANNEL COMPOSITIONS AND
; TITLE OF INVENTION: METHODS
; NUMBER OF SEQUENCES: 52
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Heller Birman White & McAniff
; STREET: 4250 Executive Square, Suite 700
; CITY: La Jolla
; STATE: California
; COUNTRY: US
; ZIP: 92037
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq Version 1.5
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/984,709A
; FILING DATE: 02-DEC-1997
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Seidman, Stephanie L.
; REGISTRATION NUMBER: 33,779
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (619) 450-8400
; TELEFAX: (619) 587-5360
; INFORMATION FOR SEQ ID NO: 8:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 7175 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 144..6857
; FEATURE:
; NAME/KEY: 5'UTR
; LOCATION: 1..143
; FEATURE:
; NAME/KEY: 3'UTR
; LOCATION: 6855..7175
; US-08-984-709A-8

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Best Local Similarity 100.0%; Pred. No. 20;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Db 1999 AACGAGAGGCAAGAG 1980

Search completed: September 10, 2005, 21:45:41
Job time : 347 secs

GenCore version 5.1.6
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OM nucleic - nucleic search, using sw model

Run on: September 10, 2005, 20:41:11 ; Search time 1184 Seconds

(without alignments)
10510.913 Million cell updates/sec

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Scoring table: OLIGO NUC
Gapop 60.0 , Gapext 60.0

Searched: 7351250 seqs, 3283620254 residues

Word size: 0

Total number of hits satisfying chosen parameters: 14702500

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Listing first 45 summaries

Database :

Published Applications NA:*

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Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	1895	100.0	1895	US-10-148-641A-23	Sequence 23, App1
2	1886	99.5	1886	US-10-262-666-41	Sequence 41, App1
3	1886	99.5	1886	US-10-085-117-53	Sequence 53, App1
4	1632	86.1	1632	US-10-085-117-54	Sequence 54, App1
5	1530	80.7	1892	US-10-719-993-124	Sequence 124, App1
6	1494	78.8	1899	US-09-746-783-77	Sequence 77, App1
7	1284	67.8	1892	US-09-397-945-90	Sequence 90, App1

8	1284	67.8	1892	18	US-10-653-595-90	Sequence 90, App1
9	1173	61.9	1671	18	US-10-296-115-693	Sequence 693, App
10	528	27.9	964	11	US-09-978-360A-262	Sequence 262, App
11	471	24.9	21347	10	US-10-719-993-6794	Sequence 6794, App
12	471	24.9	29346	17	US-10-085-117-52	Sequence 52, App1
13	379	20.0	469	10	US-09-918-995-14842	Sequence 14842, A
14	328	17.3	24923	20	US-10-719-993-7043	Sequence 7043, App
15	307	16.2	474	10	US-09-918-995-36471	Sequence 36471, A
16	281	14.8	308	13	US-10-040-739-6471	Sequence 6471, App
17	281	14.8	28953	20	US-10-719-993-6811	Sequence 6811, App
18	280	14.8	507	19	US-10-474-495-230	Sequence 230, App
19	280	14.8	522	19	US-10-474-495-12	Sequence 12, App1
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22	147	7.8	201	20	US-10-719-993-2297	Sequence 2297, App
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35	49	2.6	201	20	US-10-719-993-15235	Sequence 15235, A
36	46	2.4	1623	17	US-10-085-117-51	Sequence 51, App1
37	46	2.4	1840	17	US-10-085-117-50	Sequence 50, App1
38	46	2.4	36211	17	US-10-085-117-49	Sequence 49, App1
39	40	2.1	201	20	US-10-719-993-15252	Sequence 15252, A
40	27	1.4	25	21	US-09-746-783-92	Sequence 92, App1
41	25	1.3	29	21	US-10-719-993-322039	Sequence 322039, App1
42	23	1.2	23	18	US-10-148-641A-34	Sequence 34, App1
43	23	1.2	35	21	US-10-719-993-91511	Sequence 91511, App
44	23	1.2	25	14	US-10-043-487-133	Sequence 133, App
45	22	1.2	22	18	US-10-148-641A-31	Sequence 31, App1

ALIGNMENTS

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; Sequence 23, App1
; Publication No. US20040086852A1
; GENERAL INFORMATION:
; APPLICANT: Ono, Toshio and Nakayama, Eiichi
; TITLE OF INVENTION: CANCER ASSOCIATED ANTIGENS AND USES
; TITLE OF INVENTION: THEREFOR
; FILE REFERENCE: 100461.70132.US
; CURRENT APPLICATION NUMBER: US/10/148,641A
; CURRENT FILING DATE: 2003-03-18
; PRIOR APPLICATION NUMBER: US 09/559,013
; PRIOR FILING DATE: 2000-04-26
; PRIOR APPLICATION NUMBER: US 60/168,353
; PRIOR FILING DATE: 1999-12-01
; NUMBER OF SEQ ID NOS: 39
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 23
; LENGTH: 1895
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (49)...(1677)
US-10-148-641A-23

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Best Local Similarity 100.0%; Pred. No. 0;
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 ; Publication No. US20030180298A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Nakayama, Eiichi
 ; APPLICANT: Ono, Toshiro
 ; APPLICANT: Old, Lloyd J.
 ; APPLICANT: Hasegawa, Kosei
 ; APPLICANT: Matsushita, Hirokazu
 ; TITLE OF INVENTION: CANCER-TESTIS ANTIGENS
 ; FILE REFERENCE: 100461 70140
 ; CURRENT APPLICATION NUMBER: US/10/262,666
 ; PRIOR FILING DATE: 2002-10-01
 ; PRIOR APPLICATION NUMBER: PCT/US02/12497
 ; PRIOR FILING DATE: 2002-04-19
 ; PRIOR APPLICATION NUMBER: US 60/356,937

PRIOR FILING DATE: 2002-02-14
PRIOR APPLICATION NUMBER: US 60/285,343
PRIOR FILING DATE: 2001-04-20
NUMBER OF SEQ ID NOS: 80
SOFTWARE: PatentIn version 3.1
SEQ ID NO 41
LENGTH: 1886
TYPE: DNA
ORGANISM: Homo sapiens
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NAME/KEY: CDS
LOCATION: (49) - (1680)
OTHER INFORMATION:
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Best Local Similarity 100.0%; Pred. No. 0;
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; Sequence 53, Application US/10085117
; Publication No. US2003023234A1
; GENERAL INFORMATION:
; APPLICANT: Morris, David W.
; APPLICANT: Engelhard, Eric K.
; TITLE OF INVENTION: NOVEL COMPOSITIONS AND METHODS FOR CANCER
; FILE REFERENCE: 529452000121
; CURRENT APPLICATION NUMBER: US/10/085.117
; PRIOR FILING DATE: 2002-02-27
; PRIOR APPLICATION NUMBER: US 09/798,586
; NUMBER OF SEQ ID NOS: 361
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 53
; LENGTH: 1886
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-085-117-53

Query Match      99.5%; Score 1886; DB 17; Length 1886;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 1886; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 GTTAGAGGCGGCTTGTCACAGGAGCGGCGGATCTTCTCCGGCCATGAGAGCA 60
DB      1 GTTAGAGGCGGCTTGTCACAGGAGCGGCGGATCTTCTCCGGCCATGAGAGCA 60
QY      61 GCCGTGAGCTTCTTCCCTCACTCTGAAGGTGCTCTGCTCTGCACTGCGCA 120
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DB      121 GCCCGAGATTGCACTCAGGCGGCGGCACTCAGGCGGCGGCGGCGGCGGCGG 180
QY      181 CGCTCTTGCGACTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 240
DB      181 CGCTCTTGCGACTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 240
QY      241 ACCCGAGCTGCGGAGATCCCACTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 300
DB      241 ACCCGAGCTGCGGAGATCCCACTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 300
QY      301 GTGCGGAGTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 360
DB      301 GTGCGGAGTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 360
QY      361 CAGTTCACCTACCTACCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 420
DB      361 CAGTTCACCTACCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 420
QY      421 CAGCGAGTCTCTATCTCTCACTCACTCACTCACTCACTCACTCACTCACTCACTCA 480
DB      421 CAGCGAGTCTCTATCTCTCACTCACTCACTCACTCACTCACTCACTCACTCACTCA 480
QY      481 TCACCCACCAAGATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 540
DB      481 TCACCCACCAAGATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 540
QY      541 TTCGAGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 600
DB      541 TTCGAGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 600
QY      601 TCCCTGAGAGGCGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 660
DB      601 TCCCTGAGAGGCGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 660
QY      661 CAGGAGGCGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 720
DB      661 CAGGAGGCGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 720
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DB      661 CAGGAGGCGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 720
QY      721 GAAACAGAGAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 780
DB      721 GAAACAGAGAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 780
QY      781 GTGCTCAGCTGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 840
DB      781 GTGCTCAGCTGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 840
QY      841 CTTTCTCTTTTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCT 900
DB      841 CTTTCTCTTTTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCT 900
QY      901 ATCCAGAGGCTCATTTGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 960
DB      901 ATCCAGAGGCTCATTTGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 960
QY      961 AACTCCACTGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 1020
DB      961 AACTCCACTGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 1020
QY      1021 TTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1080
DB      1021 TTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1080
QY      1081 GCTTGAAGATGATGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 1140
DB      1081 GCTTGAAGATGATGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 1140
QY      1141 GGGGCGGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 1200
DB      1141 GGGGCGGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 1200
QY      1201 TGCCACTCAAGAGGCGAGGCTGAGGCGGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 1260
DB      1201 TGCCACTCAAGAGGCGAGGCTGAGGCGGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 1260
QY      1261 GTGAGGCGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1320
DB      1261 GTGAGGCGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1320
QY      1321 TCAGGCGGCTTTTTCAGGAGATTTTTCAGGAGATTTTTCAGGAGATTTTTCAGGAGAT 1380
DB      1321 TCAGGCGGCTTTTTCAGGAGATTTTTCAGGAGATTTTTCAGGAGATTTTTCAGGAGAT 1380
QY      1381 CGGCTTGCGAGAGAGGCTGAGAGATGCTGAGAGATGCTGAGAGATGCTGAGAGATGCT 1440
DB      1381 CGGCTTGCGAGAGAGGCTGAGAGATGCTGAGAGATGCTGAGAGATGCTGAGAGATGCT 1440
QY      1441 CTTAGCTTCCAGAGATGAGAGATTTTTCAGGAGATTTTTCAGGAGATTTTTCAGGAGAT 1500
DB      1441 CTTAGCTTCCAGAGATGAGAGATTTTTCAGGAGATTTTTCAGGAGATTTTTCAGGAGAT 1500
QY      1501 CCAAACTAGTCTTCTTCAAAAGCAGAGAGTGTCTGATGAGAGAGAGAGAGAGAGAGAG 1560
DB      1501 CCAAACTAGTCTTCTTCAAAAGCAGAGAGTGTCTGATGAGAGAGAGAGAGAGAGAGAG 1560
QY      1561 TCCGCGATGAGATGCTGAGAGATGAGAGATTTTTCAGGAGATTTTTCAGGAGATTTTTC 1620
DB      1561 TCCGCGATGAGATGCTGAGAGATGAGAGATTTTTCAGGAGATTTTTCAGGAGATTTTTC 1620
QY      1621 GACGTTGCTTCCAGATGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 1680
DB      1621 GACGTTGCTTCCAGATGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 1680
QY      1681 GCTGAGCTCTATTTCTGCGGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 1740
DB      1681 GCTGAGCTCTATTTCTGCGGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 1740
QY      1741 ACCCATTTGCTTCAAGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1800
DB      1741 ACCCATTTGCTTCAAGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1800
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Query 1801 TTGGGTTGAGCAACGTCCAGAGAGGCGCAGGTGGAGCTGGCCCTCTTAAAGA 1860
Db 1801 TTGGGTTGAGCAACGTCCAGAGAGGCGCAGGTGGAGCTGGCCCTCTTAAAGA 1860
Query 1861 TGACTTTACATAAATGTTGATCTTC 1886
Db 1861 TGACTTTACATAAATGTTGATCTTC 1886

RESULT 4
US-10-085-117-54
; Sequence 54, Application US/10085117
; Publication No. US2003023234A1
; GENERAL INFORMATION:
; APPLICANT: Morris, David W.
; APPLICANT: Engelhard, Eric K.
; TITLE OF INVENTION: NOVEL COMPOSITIONS AND METHODS FOR CANCER
; FILE REFERENCE: 52945200121
; CURRENT APPLICATION NUMBER: US/10/085,117
; CURRENT FILING DATE: 2002-02-27
; PRIOR APPLICATION NUMBER: US 09/798,586
; PRIOR FILING DATE: 2001-03-02
; NUMBER OF SEQ ID NOS: 361
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 54
; LENGTH: 1632
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-085-117-54

Query Match 86.1%; Score 1632; DB 17; Length 1632;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 1632; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Query 49 ATGAGGAAGCCAGCGCTGGCTTCCTTCTCTCACTCTGAAAGTGTCTCTGCTTG 108
Db 1 ATGAGGAAGCCAGCGCTGGCTTCCTTCTCTCACTCTGAAAGTGTCTCTGCTTG 60
Query 109 GCACCTGCGGAGCCGAGATTCGACTCAGAGCCCACTCCAGGAGCCCTCTCTCT 168
Db 61 GCACCTGCGGAGCCGAGATTCGACTCAGAGCCCACTCCAGGAGCCCTCTCTCT 120
Query 169 ACCGAATCGAAGCGCTTCTGCACTGCTCACTCTGAAAGGAGAGACTACCTGC 228
Db 121 ACCGAATCGAAGCGCTTCTGCACTGCTCACTCTGAAAGGAGAGACTACCTGC 180
Query 229 CGTCTCCGTGCAACCCAGCGCTGCGGAATCCACACTGTCAGCTGGAACAATGAA 288
Db 181 CGTCTCCGTGCAACCCAGCGCTGCGGAATCCACACTGTCAGCTGGAACAATGAA 240
Query 289 AACCAAGGCTTAAGTCCCGAGTGTCTGTCTGCTCAACTCTCTTATGCTCTGCTT 348
Db 241 AACCAAGGCTTAAGTCCCGAGTGTCTGTCTGCTCAACTCTCTTATGCTCTGCTT 300
Query 349 GAGCTTTCTGSCAGTTCACTCACTACCGTTGCTCCAAACAAGTCTATGCAAGAGA 408
Db 301 GAGCTTTCTGSCAGTTCACTCACTACCGTTGCTCCAAACAAGTCTATGCAAGAGA 360
Query 409 GTCTGTGTTCCAGCCAGTCTCTATTCTCACTCACTCACTCTCAAGAGATGAAGCT 468
Db 361 GTCTGTGTTCCAGCCAGTCTCTATTCTCACTCACTCACTCTCAAGAGATGAAGCT 420
Query 469 TCAGCTGAAGTCTCAACCAACAGATGACTCTCCCATCTCAACCACTTCAAGTGA 528
Db 421 TCAGCTGAAGTCTCAACCAACAGATGACTCTCCCATCTCAACCACTTCAAGTGA 480
Query 529 GAAGGCAAGACCTTCAGCCCTGCGCTGAGAGGCTCAGCAACAAGTGAAGAGCTCTTA 588
Db 481 GAAGGCAAGACCTTCAGCCCTGCGCTGAGAGGCTCAGCAACAAGTGAAGAGCTCTTA 540
Query 589 CAATCTCTCTTGTCTCTGGAGGCGCAGAGCAAGGCGCAGAGCAAGAGAGCAAGGA 648

Db 541 CAATCTCTCTTGTCTCTGGAGGCCAGAGCAAGCCGCAAGCAACAGAGCAAGGA 600
Query 649 GTGAGGACAGAGGAGAGCCGACACAAGAACAGAGAGAGAGGAGCAAGAGGA 708
Db 601 GTGAGGACAGAGGAGAGCCGACACAAGAACAGAGAGAGAGGAGCAAGAGGA 660
Query 709 GAGCAAG 768
Db 661 GAGCAAG 720
Query 769 GAGAGGAG 828
Db 721 GAGAGGAG 780
Query 829 CTATCTCTAACCCTTCTCTTGTGCTCCCGAGTGAAGAGAGAGAGAGAGAGAG 888
Db 781 CTATCTCTAACCCTTCTCTTGTGCTCCCGAGTGAAGAGAGAGAGAGAGAGAG 840
Query 889 ATATGAGAGACATCCAGAGCTCATTCAGTCAAGCCAGAAATGATGAATGA 948
Db 841 ATATGAGAGACATCCAGAGCTCATTCAGTCAAGCCAGAAATGATGAATGA 900
Query 949 ATATATGATGAAGACTCTTACTGAGAAACCAAAACCTTGACCTTCTGAGCTGCC 1008
Db 901 ATATATGATGAAGACTCTTACTGAGAAACCAAAACCTTGACCTTCTGAGCTGCC 960
Query 1009 CACACAGAGGCTTGCTGTGTGTCTATTCAGTGTGAGAGATCTGATATTAAC 1068
Db 961 CACACAGAGGCTTGCTGTGTGTCTATTCAGTGTGAGAGATCTGATATTAAC 1020
Query 1069 CCCACAGCCAAAGGCTGGAAGTACATGAGAGAGAGATCTTGTGTTTGGAGATCGCT 1128
Db 1021 CCCACAGCCAAAGGCTGGAAGTACATGAGAGAGAGATCTTGTGTTTGGAGATCGCT 1080
Query 1129 TGTGACAGCTTGGGCGGCGACACATGTCTACTGTGCTCTGTGACTTCTCTT 1188
Db 1081 TGTGACAGCTTGGGCGGCGACACATGTCTACTGTGCTCTGTGACTTCTCTT 1140
Query 1189 AAGCTGAGAGAGTCCACTGAGAGGCGAGCTGAGGGAACAATCGACACCTCCAC 1248
Db 1141 AAGCTGAGAGAGTCCACTGAGAGGCGAGCTGAGGGAACAATCGACACCTCCAC 1200
Query 1249 AAGACTCTCTTGTGACAGCCCTTGTCTGCTCCAGAGCTGTCTCATCGCAACAGTA 1308
Db 1201 AAGACTCTCTTGTGACAGCCCTTGTCTGCTCCAGAGCTGTCTCATCGCAACAGTA 1260
Query 1309 GGGTCCCAAGATCAGGCGCTTTTACGGCTGAGTTTGAAGGTGGCTTCAATGAG 1368
Db 1261 GGGTCCCAAGATCAGGCGCTTTTACGGCTGAGTTTGAAGGTGGCTTCAATGAG 1320
Query 1369 TTTCTGTGTGCTCCGCTTGCAGAGAAAGCTGTGAAGATGTCTGAGGTGGCTC 1428
Db 1321 TTTCTGTGTGCTCCGCTTGCAGAGAAAGCTGTGAAGATGTCTGAGGTGGCTC 1380
Query 1429 CAGACTGAGTTCTTACTTCACTTCCAGATGGGATTTTCCCTCAAGATTTGTGACAGAC 1488
Db 1381 CAGACTGAGTTCTTACTTCCAGATGGGATTTTCCCTCAAGATTTGTGACAGAC 1440
Query 1489 TATATCAGTACCCAAACTACTGTTCTTCAAAAGCAGAGAGTGTGATGAAGACCG 1548
Db 1441 TATATCAGTACCCAAACTACTGTTCTTCAAAAGCAGAGAGTGTGATGAAGACCG 1500
Query 1549 AATTCGAAAGTGTCCCGCAATGAGATGTCTGAGAAATGAAGCTTCACTGAGAGCT 1608
Db 1501 AATTCGAAAGTGTCCCGCAATGAGATGTCTGAGAAATGAAGCTTCACTGAGAGCT 1560
Query 1609 GGCAGAAAGTGAAGAGTGTGCTTCAATGAGAGCAGAGGTTCAAGCTTGAAGCTGAGC 1668
Db 1561 GGCAGAAAGTGAAGAGTGTGCTTCAATGAGAGCAGAGGTTCAAGCTTGAAGCTGAGC 1620
Query 1669 CAGTTGGATGA 1680
Db 1621 CAGTTGGATGA 1632

Db 1804 TTGGGTTGGACCAAGTCCAGAGAGGCGCAAGGTGGAGCTGCGCCCTCTTAAAGA 1863
Qy 1861 TGACCTTACATAAATGTTGATCTCA 1887
Db 1864 TGACTTACATAAATGTTGATCTTCA 1890

RESULT 6

US-09-746-783-77
Sequence 77, Application US/09746783
Publication No. US20030044935A1

GENERAL INFORMATION:

APPLICANT: Jacobs, Kenneth

McCoy, John M.

Lavallie, Edward R.

Racie, Lisa A.

Treacy, Maurice

Spaulding, Vikki

Agostino, Michael J.

Howes, Steven H.

Fechtel, Kim

TITLE OF INVENTION: SECRETED PROTEINS AND POLYNUCLEOTIDES

ENCODING THEM

NUMBER OF SEQUENCES: 231

CORRESPONDENCE ADDRESS:

ADDRESSEE: Genetics Institute, Inc.

STREET: 87 Cambridgepark Drive

CITY: Cambridge

STATE: MA

COUNTRY: U.S.A.

ZIP: 02140

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patent Release #1.0, Version #1.30

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/746,783

FILING DATE: 21-Dec-2000

CLASSIFICATION: <Unknown>

ATTORNEY/AGENT INFORMATION:

NAME: Milasincic, Debra J.

REGISTRATION NUMBER: 46,931

TELECOMMUNICATION INFORMATION:

TELEPHONE: (617) 227-7400

TELEFAX: (617) 742-4214

INFORMATION FOR SEQ ID NO: 77:

SEQUENCE CHARACTERISTICS:

LENGTH: 1899 base pairs

TYPE: nucleic acid

STRANDEDNESS: double

TOPOLOGY: linear

MOLECULE TYPE: cDNA

SEQUENCE DESCRIPTION: SEQ ID NO: 77:

US-09-746-783-77

Query Match 78.8%; Score 1494; DB 10; Length 1899;
Best Local Similarity 99.9%; Pred. No. 0;
Matches 1594; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 11 GCTTGTGTCACGAGGACGCGGCGGATCTTCGCGGCATGAGAGAGCCGCGTGGCT 70
Db 5 GCTTGTGTCACGAGGACGCGGCGGATCTTCGCGGCATGAGAGAGCCGCGTGGCT 64
Qy 71 TCCCTCCCTCACTCTGTAAGTGCTGCTGCTGCGACCTGCGCGACGCCAGATT 130
Db 65 TCCCTCCCTCACTCTGTAAGTGCTGCTGCTGCGACCTGCGCGACGCCAGATT 124
Qy 131 CGACTAGGCGCCCACTCCAGGAGCGCTTCTTCTCTACCGAATACGAAGCTTTCTTG 190
Db 125 CGACTAGGCGCCCACTCCAGGAGCGCTTCTTCTCTACCGAATACGAAGCTTTCTTG 184

Qy 191 CACTGCTACTCCAACTGGAGAGGAGAGACTACCTGCGCTCTCCGCAACCAAGGCT 250
Db 185 CACTGCTACTCCAACTGGAGAGGAGAGACTACCTGCGCTCTCCGCAACCAAGGCT 244
Qy 251 GCCGGAATCCCACTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 310
Db 245 GCCGGAATCCCACTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 304
Qy 311 GTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 370
Db 305 GTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 364
Qy 371 ACTACCGTTGCTCCAACTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 430
Db 365 ACTACCGTTGCTCCAACTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 424
Qy 431 CTATTCTCTCACTCACTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 490
Db 425 CTATTCTCTCACTCACTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 484
Qy 491 CGATGACCTCCCGCATCTGACCCCACTTCACTGACGAGAGAGGAGAGGAGGAGCT 550
Db 485 CGATGACCTCCCGCATCTGACCCCACTTCACTGACGAGAGAGGAGAGGAGGAGCT 544
Qy 551 GGCCTGAGAGGCTCAGCAACAGTGAAGAGCTCTTCACTGCTGCTGCTGCTGCTGCT 610
Db 545 GGCCTGAGAGGCTCAGCAACAGTGAAGAGCTCTTCACTGCTGCTGCTGCTGCTGCT 604
Qy 611 GCCAGAGCAAGGCGCAGAGCAGCAAGAGAGAGAGAGAGAGAGAGAGAGAGAGCT 670
Db 605 GCCAGAGCAAGGCGCAGAGCAGCAAGAGAGAGAGAGAGAGAGAGAGAGAGAGCT 664
Qy 671 CACAAGAACAG 730
Db 665 CACAAGAACAG 724
Qy 731 AG 790
Db 725 AG 784
Qy 791 TGCAGACAGCTGAG 850
Db 785 TGCAGACAGCTGAG 844
Qy 851 TTTCTCCCGGGGATGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 910
Db 845 TTTCTCCCGGGGATGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 904
Qy 911 TCATTGATCAGCCAG 970
Db 905 TCATTGATCAGCCAG 964
Qy 971 GGAAGAACCAAAACCTGAGAGCTTCTGAGCTGAGCTGAGCTGAGCTGAGCTGAG 1030
Db 965 GGAAGAACCAAAACCTGAGAGCTTCTGAGCTGAGCTGAGCTGAGCTGAGCTGAG 1024
Qy 1031 TGTCTATTGATGATGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 1090
Db 1025 TGTCTATTGATGATGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 1084
Qy 1091 ACATGAG 1150
Db 1085 ACATGAG 1144
Qy 1151 ACATGATCAGCTGAG 1210
Db 1145 ACATGATCAGCTGAG 1204
Qy 1211 AGGCGAGCTGAG 1270
Db 1205 AGGCGAGCTGAG 1264
Qy 1271 TGTCTGCTCCAGAGAGCTGTCATGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 1330

Db 1265 TCGTTCCTCCAGAGCTGTCATCGGACCCAGGTAGGTCCTCCAGATAGGCGCT 1324
Qy 1331 TTACGGGCTGATTTGATGAGTGGGCTCCACATGAGTCTTGATGTCGGCTTGCA 1390
Db 1325 TTACGGGCTGATTTGATGAGTGGGCTCCACATGAGTCTTGATGTCGGCTTGCA 1384
Qy 1391 CGAAGGCTGTAAGATGTCGAGTCTTGAGTGGCTCCAGTGAATTCCTTACCTTC 1450
Db 1385 CGAAGGCTGTAAGATGTCGAGTCTTGAGTGGCTCCAGTGAATTCCTTACCTTC 1444
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Db 1445 AGATGGGATTTCCCTACCAAGATTTGACACAGACTATTCAGTACCAACTACT 1504
Qy 1511 GTTCCTCAAAAAGCCAGCAGTGTCTGATGAGAAACCGAATCGAAGTGTCCGCA 1570
Db 1505 GTTCCTCAAAAAGCCAGCAGTGTCTGATGAGAAACCGAATCGAAGTGTCCGCA 1564
Qy 1571 GATGCTGCAAGATGAGACTTACATGCGCTGAGCC 1606
Db 1565 GATGCTGCAAGATGAGACTTACATGCGCTGAGCC 1600

RESULT 7
US-09-397-945-90

Sequence 90, Application US/09397945
Publication No. US20030065139A1
GENERAL INFORMATION:
APPLICANT: Human Genome Sciences, Inc. et al.
TITLE OF INVENTION: 95 Human secreted proteins
FILE REFERENCE: P2027P1
CURRENT APPLICATION NUMBER: US/09/397,945
CURRENT FILING DATE: 1999-09-17
PRIOR APPLICATION NUMBER: PCT/US99/05804
PRIOR FILING DATE: 1998-03-18
PRIOR APPLICATION NUMBER: 60/078,566
PRIOR FILING DATE: 1998-03-19
PRIOR APPLICATION NUMBER: 60/078,576
PRIOR FILING DATE: 1998-03-19
PRIOR APPLICATION NUMBER: 60/078,573
PRIOR FILING DATE: 1998-03-19
PRIOR APPLICATION NUMBER: 60/078,574
PRIOR FILING DATE: 1998-03-19
PRIOR APPLICATION NUMBER: 60/078,579
PRIOR FILING DATE: 1998-03-19
PRIOR APPLICATION NUMBER: 60/080,314
PRIOR FILING DATE: 1998-04-01
PRIOR APPLICATION NUMBER: 60/080,312
PRIOR FILING DATE: 1998-04-01
PRIOR APPLICATION NUMBER: 60/078,578
PRIOR FILING DATE: 1998-03-19
PRIOR APPLICATION NUMBER: 60/078,581
PRIOR FILING DATE: 1998-03-19
PRIOR APPLICATION NUMBER: 60/078,577
PRIOR FILING DATE: 1998-03-19
PRIOR APPLICATION NUMBER: 60/078,563
PRIOR FILING DATE: 1998-03-19
PRIOR APPLICATION NUMBER: 60/080,313
PRIOR FILING DATE: 1998-04-01
NUMBER OF SEQ ID NOS: 470
SOFTWARE: Patentin Ver. 2.0
SEQ ID NO 90
LENGTH: 1892
TYPE: DNA
ORGANISM: Homo sapiens
US-09-397-945-90

Query Match 67.8%; Score 1284; DB 10; Length 1892;
Best Local Similarity 99.7%; Pred. No. 0;
Matches 1794; Conservative 0; Mismatches 3; Indels 3; Gaps 3;

Qy 33 CGAGTCTTCTCCGGCAGTGAAGAGCCAGCGCTGCTTCTCCCTCACTCTGAAGT 92

Db 22 CGAGTCTTCTCCGGCAGTGAAGAGCCAGCGCTGCTTCTCCCTCACTCTGAAGT 81
Qy 93 GCTGCTCTGCTTGGCACTGCGGACGCCAGAAATGCACTGAGGCCCTCACTCAGG 152
Db 82 GCTGCTCTGCTTGGCACTGCGGACGCCAGAAATGCACTGAGGCCCTCACTCAGG 141
Qy 153 CAGCCCTCTCTCTTACCGAATGCAAGCTTTTGGCACTGCTGACTCAACTGAA 212
Db 142 CAGCCCTCTCTCTTACCGAATGCAAGCTTTTGGCACTGCTGACTCAACTGAA 201
Qy 213 GGCAGAGCTACTGCGCTCTCCGTCGACCCAGGCTGCGGAATCCCACTGCTCA 272
Db 202 GGCAGAGCTACTGCGCTCTCCGTCGACCCAGGCTGCGGAATCCCACTGCTCA 261
Qy 273 GCTGAGCAATATGAAAAACAAGCTTAGTCCGATGCTGTCTGCTCAACTCTCC 332
Db 262 GCTGAGCAATATGAAAAACAAGCTTAGTCCGATGCTGTCTGCTCAACTCTCC 321
Qy 333 TTATGCTCTCTGCTTGAAGTCTTCTGCGAGTTGACTCACTGCTGCTCAACTCT 392
Db 322 TTATGCTCTCTGCTTGAAGTCTTCTGCGAGTTGACTCACTGCTGCTCAACTCT 381
Qy 393 CTACTATGCGAAGAGTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 452
Db 382 CTACTATGCGAAGAGTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 441
Qy 453 CAGAGAGTAGAAGCTTCACTGAGTCTCAACCAAGATGACCTTCCCATCTCAC 512
Db 442 CAGAGAGTAGAAGCTTCACTGAGTCTCAACCAAGATGACCTTCCCATCTCAC 501
Qy 513 CCATTTCAAGTGAAGAGGCGGAGGCTTCCAGGCTGCTGAGGCTGCTGAGGCTGCT 572
Db 502 CCATTTCAAGTGAAGAGGCGGAGGCTTCCAGGCTGCTGAGGCTGCTGAGGCTGCT 561
Qy 573 CGTGAAGAGCTCTCAATCTCTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 632
Db 562 CGTGAAGAGCTCTCAATCTCTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 621
Qy 633 CAGCAGAGCAGAGAGTGGAGCAAGCAGGAGCCGACACAGAACAGAGAGAGAG 692
Db 622 CAGCAGAGCAGAGAGTGGAGCAAGCAGGAGCCGACACAGAACAGAGAGAGAG 681
Qy 693 GGGCAGAGAAACAGAAAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 752
Db 682 GGGCAGAGAAACAGAAAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 741
Qy 753 ACAGGGAGCTAAG 812
Db 742 ACAGGGAGCTAAG 801
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Db 802 GTTCACTCTGAATCTCTATCTTCTTAACCTTCTCTTCTTCTTCTTCTTCTTCT 861
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Db 922 AGATGAATGAATGAATATATATGATGAGAACTCTCACTGAGAAACCAAACTG 981
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Db 982 CTTCCTGAGCTGCCACACAGAGGCTTCTGCTGCTGCTGCTGCTGCTGCTGCTG 1040
Qy 1053 TACCTGATCAATACCCCAAGCCAGGCTGGAAGTCAATGAGAGAGAGAGAGAG 1112
Db 1041 TACCTGATCAATACCCCAAGCCAGGCTGGAAGTCAATGAGAGAGAGAGAGAG 1100
Qy 1113 TTTCGGAGAGTGGCTGCTGAGCAGCTTGGGCGGAGACATGCTTACTTGGCTCTG 1172

Db 1101 TTTGGGAAGTGTCTGTGAGACGCTTGGGGGGGACACATGTCTACCTGTGCTTCG 1160
Qy 1173 TGAATTTGCTCTCTGGAAGCTGAGAGAGTCCACTCAGAGGCGAGCTGACAGGGACA 1232
Db 1161 TGAATTTGCTCTCTGGAAGCTGAGAGAGTCCACTCAGAGGCGAGCTGACAGGGACA 1220
Qy 1233 ATGGACACCTTCCACAGAGCTCCCTTTGTCAGCCCTTGTCTTGCCTCCAGAGCTGTC 1292
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Db 1280 CATGGGCAACGAGTGGGTCCCGACAGATCAGGCGGCTTTACGGGCTGAGATTGTACGG 1339
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Db 1400 AGTCTCTGGGTGCTCCAGACTGAGTTCCTTAGCTTCCAGATGGGGAATTTCCCTACCA 1458
Qy 1473 GATTGTGACACAGATATATCCAGTACCCAACTACTGTTCTTCAAAAAGCCAGCAGTG 1532
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Qy 1593 CAGTCCGCTGAGCCCTGCGAAAGTGAAGAGCTTGTGCTTCGATGAGAGCCAGAGATTGAG 1652
Db 1579 CAGTCCGCTGAGCCCTGCGAAAGTGAAGAGCTTGTGCTTCGATGAGAGCCAGAGATTGAG 1638
Qy 1633 CACCTTGACTTGAAGCCAGTTCGATGAGTGGCGCTCTATTTCTGCCACACCCAGCCCA 1712
Db 1619 CACCTTGACTTGAAGCCAGTTCGATGAGTGGCGCTCTATTTCTGCCACACCCAGCCCA 1698
Qy 1713 ACCGCCCAACCTTCTATTTGTTTGAAGCCCATTTGCTTACGCTGCGCCCTTCTGGGT 1772
Db 1699 ACCGCCCAACCTTCTATTTGTTTGAAGCCCATTTGCTTACGCTGCGCCCTTCTGGGT 1758
Qy 1773 CTGTTACTCGGCCCTTACTCATTCTTCTTGGGTGAGCAACAGTCCAGAGAGGCA 1832
Db 1759 CTGTTACTCGGCCCTTACTCATTCTTCTTGGGTGAGCAACAGTCCAGAGAGGCA 1818

RESULT 8

US-10-653-595-90
; Sequence 90, Application US/10653595
; Publication No. US20040048304A1
; GENERAL INFORMATION:
; APPLICANT: Ruben et. al.
; TITLE OF INVENTION: 95 Human secreted proteins
; FILE REFERENCE: P2027P1C1
; CURRENT APPLICATION NUMBER: US/10/653,595
; CURRENT FILING DATE: 2003-09-03
; PRIOR APPLICATION NUMBER: US 09/397945
; PRIOR FILING DATE: 1999-09-17
; PRIOR APPLICATION NUMBER: PCT/US99/05804
; PRIOR FILING DATE: 1999-03-18
; PRIOR APPLICATION NUMBER: 60/078,566
; PRIOR FILING DATE: 1998-03-19
; PRIOR APPLICATION NUMBER: 60/078,576
; PRIOR FILING DATE: 1998-03-19
; PRIOR APPLICATION NUMBER: 60/078,573
; PRIOR FILING DATE: 1998-03-19
; PRIOR APPLICATION NUMBER: 60/078,574
; PRIOR FILING DATE: 1998-03-19
; PRIOR APPLICATION NUMBER: 60/078,579
; PRIOR FILING DATE: 1998-03-19
; PRIOR APPLICATION NUMBER: 60/080,314
; PRIOR FILING DATE: 1998-04-01

; PRIOR APPLICATION NUMBER: 60/080,312
; PRIOR FILING DATE: 1998-04-01
; PRIOR APPLICATION NUMBER: 60/078,578
; PRIOR FILING DATE: 1998-03-19
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 470
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 90
; LENGTH: 1892
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-653-595-90

Query Match 67.8%; Score 1284; DB 18; Length 1892;
Best Local Similarity 99.7%; Pred. No. 0;
Matches 1794; Conservative 0; Mismatches 3; Indels 3; Gaps 3;

Qy 33 CGAATCTTCTCCGGCCATGAGAAAGCCAGCGCTGCTTCTTCTCTCACTCTGAAAGT 92
Db 22 CGAATCTTCTCCGGCCATGAGAAAGCCAGCGCTGCTTCTTCTCTCACTCTGAAAGT 81
Qy 93 GCTGCTCTGCTCTGCGAAGCTGCGGACGCGGACGCGGACGCGGACGCGGACGCGGACG 152
Db 82 GCTGCTCTGCTCTGCGAAGCTGCGGACGCGGACGCGGACGCGGACGCGGACGCGGACG 141
Qy 153 CAGCCCT 212
Db 142 CAGCCCT 201
Qy 213 GCGAAGACTTCT 272
Db 202 GCGAAGACTTCT 261
Qy 273 GCTGACCTTCT 332
Db 262 GCTGACCTTCT 321
Qy 333 TTATGCT 392
Db 322 TTATGCT 381
Qy 393 CTACTATGCCAAGAGAGTCTGTGTTCCAGCCAGTCTATTTCTTCACTTCACTCTCT 452
Db 382 CTACTATGCCAAGAGAGTCTGTGTTCCAGCCAGTCTATTTCTTCACTTCACTCTCTCT 441
Qy 453 CAAAGAGTGAAGACTTCAAGTGAAGTCAACCAACCAATGACTTCTCTCTCTCTCTCTCT 512
Db 442 CAAAGAGTGAAGACTTCAAGTGAAGTCAACCAACCAATGACTTCTCTCTCTCTCTCTCT 501
Qy 513 CCACTTCAAGTGAAGAGTCTGTGTTCCAGCCAGTCTATTTCTTCACTTCACTCTCTCT 572
Db 502 CCACTTCAAGTGAAGAGTCTGTGTTCCAGCCAGTCTATTTCTTCACTTCACTCTCTCT 561
Qy 573 CGTGAAGAGTCTCTCAATCT 632
Db 562 CGTGAAGAGTCTCTCAATCT 621
Qy 633 CAAAGAGTGAAGAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAG 692
Db 622 CAAAGAGTGAAGAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAG 681
Qy 693 GGGGCAAGAAACAGAGAGGAG 752
Db 682 GGGGCAAGAAACAGAGAGGAG 741
Qy 753 ACAAAGAGTGAAG 812
Db 742 ACAAAGAGTGAAG 801
Qy 813 GTTCACTCTGAATCTCTATCTTTTAAACCTTCTCTTCTCTCTCTCTCTCTCTCTCTCTCT 872
Db 802 GTTCACTCTGAATCTCTATCTTTTAAACCTTCTCTTCTCTCTCTCTCTCTCTCTCTCTCT 861

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Qy 873 AGAGTCTACTCTATGATATGAGAAACATCCAGAGCTCATTCGATCAGCCCAAGAAAT 932
Db 862 AGAGTCTACTCTATGATATGAGAAACATCCAGAGCTCATTCGATCAGCCCAAGAAAT 921
Qy 933 AGATGAATGAATGAATATATATGATGAGAAATCTCTATCTGAGAGAAACCAAAACCTTGGCAG 992
Db 922 AGATGAATGAATGAATATATATGATGAGAAATCTCTATCTGAGAGAAACCAAAACCTTGGCAG 981
Qy 993 CTTCTGAGAGCTGCCCCACAGAGAGCCCTTGTGGGTGCTGTCTATTTGATGTGAGAGA 1052
Db 982 CTTCTGAGAGCTGCCCCACAGAGAGCCCTTGTGGGTGCTGTCTATTTGATGTGAGAGA 1040
Qy 1053 TACCTGATCATATACCCCAAGAGCTGAGAGTATCATGAGAGAGAGATCTTGG 1112
Db 1041 TACCTGATCATATACCCCAAGAGCTGAGAGTATCATGAGAGAGAGATCTTGG 1100
Qy 1113 TTTGGGGAAGTGGGTCTGTGACAGCTTGGGGGGGACACATGTCTACCTGTGCTCTG 1172
Db 1101 TTTGGGGAAGTGGGTCTGTGACAGCTTGGGGGGGACACATGTCTACCTGTGCTCTG 1160
Qy 1173 TGACTTCTGCTCTGAGAGCTGAGAGTCCAGAGCTCAGAGAGCTGAGAGAGCTGAG 1232
Db 1161 TGACTTCTGCTCTGAGAGCTGAGAGTCCAGAGCTCAGAGAGCTGAGAGAGCTGAG 1220
Qy 1233 ATGCGACACCTCCCAAGAGCTCCTTGTGTACAGCCCTTGTGCTGCTCCAGAGCTGTG 1292
Db 1221 ATGCGACACCTCCCAAGAGCTCCTTGTGTGTG - CAGCCCTTGTGCTGCTCCAGAGCTGTG 1279
Qy 1293 CATGGGCAACAGAGTGGGTCTCCCAAGATCAGAGCCGCTTTTACGGGCTGAGATTTGTA 1352
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Db 1340 TGGGGTCCACAGAGCTTGTGGGTGCGCGGCTGCGACAGAAAGGTGTGAAGTGTGCG 1399
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Db 1400 AGTCTCTGGGTGCTCCAGAGCTGAGTCTTGTGTCTTCCAGATGGGAGTTTCTCA 1458
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Db 1519 TCTGATGAGAAACCGCAATCGAGAGTGTCCCGCATGAGATGTGCAAGATGAGACTTA 1578
Qy 1593 CAGTGCAGTGAACCTTGGCAAAAGTGAAGACGTTGTGTCTTCATGAGAGCCAGAGTTGAG 1652
Db 1579 CAGTGCAGTGAACCTTGGCAAAAGTGAAGACGTTGTGTCTTCATGAGAGCCAGAGTTGAG 1638
Qy 1653 CACCTTGAAGTGAAGCAGTGTGATGAGCTGAGCTGTATTTCTGCCACACCCAGCCCA 1712
Db 1639 CACCTTGAAGTGAAGCAGTGTGATGAGCTGAGCTGTATTTCTGCCACACCCAGCCCA 1698
Qy 1713 ACCTGCGCAAGCTTCTCTATTTTGTGAGACCCCATTTGCTTTCAGAGTGGCCCTTCTGGGT 1772
Db 1699 ACCTGCGCAAGCTTCTCTATTTTGTGAGACCCCATTTGCTTTCAGAGTGGCCCTTCTGGGT 1758
Qy 1773 CTGTTACTGAGCCCTCACTCAATTTCTTGTGGTGTGAGCAACAGTCCCAAGAGAGGCA 1832
Db 1759 CTGTTACTGAGCCCTCACTCAATTTCTTGTGGTGTGAGCAACAGTCCCAAGAGAGGCA 1818

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RESULT 9
US-10-296-115-693

; Sequence-693, Application US/10296115

; Publication No. US20040053248A1

; GENERAL INFORMATION:

; APPLICANT: HySeq Inc

; TITLE OF INVENTION: No. US20040053248A1el Nucleic Acids and Polypeptides

; FILE REFERENCE: 784PCT

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; CURRENT APPLICATION NUMBER: US/10/296,115
; CURRENT FILING DATE: 2002-11-18
; PRIOR APPLICATION NUMBER: US09/488,725
; PRIOR FILING DATE: 2000-01-21
; PRIOR APPLICATION NUMBER: US09/552,317
; PRIOR FILING DATE: 2000-04-25
; NUMBER OF SEQ ID NOS: 1478
; SEQ ID NO 693
; LENGTH: 1671
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-296-115-693

Query Match          61.9%; Score 1173; DB 18; Length 1671;
Best Local Similarity 99.8%; Pred. No. 0;
Matches 1273; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 91 GTGCTGCTCTGCTCTGAGCACTGCGCAGCCCAAGATTCGACTCAGGCCCACTTCA 150
Db 397 GTGCTGCTCTGCTCTGAGCACTGCGCAGCCCAAGATTCGACTCAGGCCCACTTCA 456
Qy 151 GGCAGCCCTCTCTCTCTACCGAATAGAAAGCTTCTTGGCACTGCTGACTCAACTG 210
Db 457 GGCAGCCCTCTCTCTCTACCGAATAGAAAGCTTCTTGGCACTGCTGACTCAACTG 516
Qy 211 AAGCAGAGACTACCTGCGCTCTCCGTCACACCCAGAGCTGCGGAAATCCCACTGTC 270
Db 517 AAGCAGAGACTACCTGCGCTCTCCGTCACACCCAGAGCTGCGGAAATCCCACTGTC 576
Qy 271 CAGCTGCAACATATGAAACACAGAGCTTATGAGCCGATGAGTGTCTGTCTCAACTC 330
Db 577 CAGCTGCAACATATGAAACACAGAGCTTATGAGCCGATGAGTGTCTGTCTCAACTC 636
Qy 331 CCTATGCTCTGCTGCTTGTAGTCTTCTGCACTTCACTCACTACCTGCTCCAACTAC 390
Db 637 CCTATGCTCTGCTGCTTGTAGTCTTCTGCACTTCACTCACTACCTGCTCCAACTAC 696
Qy 391 GTCTACTATGCAAGAGAGTCTGTGTGTTCCAGCACTTCTATTTCTCACTAACACT 450
Db 697 GTCTACTATGCAAGAGAGTCTGTGTGTTCCAGCACTTCTATTTCTCACTAACACT 756
Qy 451 CTCAAGAGATATGAAAGCTTCACTGAGTGTCAACCCACACAGATGAGTCTCCCACTCA 510
Db 757 CTCAAGAGATATGAAAGCTTCACTGAGTGTCAACCCACACAGATGAGTCTCCCACTCA 816
Qy 511 CCCCACTTCAAGTGAAGAGAGCCAGAGCTTCCAGCCCTGAGGCTGAGAGGCTCAGCAAC 570
Db 817 CCCCACTTCAAGTGAAGAGAGCCAGAGCTTCCAGCCCTGAGGCTGAGAGGCTCAGCAAC 876
Qy 571 AACGTGGAAGAGCTCTCAATCTCTTGTCTTGGAGAGCCAGAGCAAGGCCAGAG 630
Db 877 AACGTGGAAGAGCTCTCAATCTCTTGTCTTGGAGAGCCAGAGCAAGGCCAGAG 936
Qy 631 CACAAGAGAGAGAGAGTGAAGACACAGAGAGAGCCGACACAAAGAACAAACAGAGAA 690
Db 937 CACAAGAGAGAGAGAGTGAAGACACAGAGAGAGCCGACACAAAGAACAAACAGAGAA 996
Qy 691 GAGGGGCAAGAAACAGAAAGAGCAAGAGAGAAAGAGAGAGAGAGAGAGAGAGAGAA 750
Db 997 GAGGGGCAAGAAACAGAAAGAGCAAGAGAGAAAGAGAGAGAGAGAGAGAGAGAGAA 1056
Qy 751 GGAAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 810
Db 1057 GGAAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 1116
Qy 811 AAGTTTCACTGTGATCTTATCTTCTTCAACCTTCTCTTGGCTCCCGGGGTACAGAA 870
Db 1117 AAGTTTCACTGTGATCTTATCTTCTTCAACCTTCTCTTGGCTCCCGGGGTACAGAA 1176
Qy 871 GTAGAGTCTACTCTATGATATATGAGAGAACTCCAGAGAGCTCATTCAGTACGCCAGAA 930
Db 1177 GTAGAGTCTACTCTATGATATATGAGAGAACTCCAGAGAGCTCATTCAGTACGCCAGAA 1236

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QY 931 ATAGATGAAATGAATGAATATATGATGAGAACTCTTACGTGAGAAAACCAAAACCTGGC 990
 Db 1237 ATAGATGAATGAATGAATATATGATGAGAACTCTTACGTGAGAAAACCAAAACCTGGC 1296
 QY 991 AGCTTCCTGGAGCTGGCCCAAGAGGCTTGTGCTGTGTGTATTCATGCTGGAG 1050
 Db 1297 AGCTTCCTGGAGCTGGCCCAAGAGGCTTGTGCTGTGTGTATTCATGCTGGAG 1356
 QY 1051 AATACTGATCATTAACCCCAAGAGGCTTGTGAGTACATGAGAGAGAGATCCTT 1110
 Db 1357 AATACTGATCATTAACCCCAAGAGGCTTGTGAGTACATGAGAGAGAGATCCTT 1416
 QY 1111 GGTTCGGGAAGTGGGTCTGTGACAGCTTGGCGGCGACAATGTCTACTGTGGCTC 1170
 Db 1417 GGTTCGGGAAGTGGGTCTGTGACAGCTTGGCGGCGACAATGTCTACTGTGGCTC 1476
 QY 1171 TGTGACTTGTCTCTTGAACCTGGAGAGTCCATCAAGAGGCTGACAGGCGCA 1230
 Db 1477 TGTGACTTGTCTCTTGAACCTGGAGAGTCCATCAAGAGGCTGACAGGCGCA 1536
 QY 1231 CAATGCAACACTCCCAAGAGCTCCCTTGTGAGCCCTTGTGCTCCCAAGAGCTG 1290
 Db 1537 CAATGCAACACTCCCAAGAGCTCCCTTGTGAGCCCTTGTGCTCCCAAGAGCTG 1596
 QY 1291 TCCATGCGCAACAGTAGAGGTCCCAAGATCAGGCGCTTTTACGCGCTGATTTGAC 1350
 Db 1597 TCCATGCGCAACAGTAGAGGTCCCAAGATCAGGCGCTTTTACGCGCTGATTTGAC 1656
 QY 1351 GGTGGGCTCCACATG 1365
 Db 1657 GGTGGGCTCCACATG 1671

RESULT 10

US-09-978-360A-262
 ; Sequence 262, Application US/09978360A
 ; Publication No. US20040110939A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Edwards, Jean-Baptiste Dumas Milne
 ; APPLICANT: Duclet, Aymeric
 ; APPLICANT: Bouguetel, Lydie
 ; APPLICANT: Jober, Severin
 ; APPLICANT: Clusel, Catherine
 ; TITLE OF INVENTION: Complementary DNA's Encoding Proteins with Signal Peptides
 ; FILE REFERENCE: 56, US4, CIP
 ; CURRENT APPLICATION NUMBER: US/09/978, 360A
 ; CURRENT FILING DATE: 2001-10-15
 ; PRIOR APPLICATION NUMBER: US 60/066, 677
 ; PRIOR FILING DATE: 1997-11-13
 ; PRIOR APPLICATION NUMBER: US 60/069, 957
 ; PRIOR FILING DATE: 1997-12-17
 ; PRIOR APPLICATION NUMBER: US 60/074, 121
 ; PRIOR FILING DATE: 1998-02-09
 ; PRIOR APPLICATION NUMBER: US 60/081, 563
 ; PRIOR FILING DATE: 1998-04-13
 ; PRIOR APPLICATION NUMBER: US 60/096, 116
 ; PRIOR FILING DATE: 1998-08-10
 ; PRIOR APPLICATION NUMBER: US 60/099, 273
 ; PRIOR FILING DATE: -09-04
 ; PRIOR APPLICATION NUMBER: US 09/191, 997
 ; PRIOR FILING DATE: 1998-11-13
 ; PRIOR APPLICATION NUMBER: US 09/215, 435
 ; PRIOR FILING DATE: 1998-12-17
 ; PRIOR APPLICATION NUMBER: PCT/IB98/02122
 ; PRIOR FILING DATE: 1998-12-17
 ; PRIOR APPLICATION NUMBER: US 09/247, 155
 ; Remaining Prior Application data removed - See File Wrapper or PALM.
 ; NUMBER OF SEQ ID NOS: 810
 ; SOFTWARE: Patent, pm
 ; SEQ ID NO 262
 ; LENGTH: 964
 ; TYPE: DNA

ORGANISM: Homo sapiens
 ; FEATURE:
 ; NAME/KEY: CDS
 ; LOCATION: 21..527
 ; FEATURE:
 ; NAME/KEY: sig_peptide
 ; LOCATION: 21..95
 ; OTHER INFORMATION: Von Heijne matrix
 ; OTHER INFORMATION: score 8.5
 ; OTHER INFORMATION: seq LKILLPLPAA/QD
 ; FEATURE:
 ; NAME/KEY: polyA_signal
 ; LOCATION: 921..926
 ; FEATURE:
 ; NAME/KEY: polyA_site
 ; LOCATION: 953..963
 ; US-09-978-360A-262
 Query Match 27.3%; Score 528; DB 11; Length 964;
 Best Local Similarity 99.3%; Pred. No. 6,5e-268;
 Matches 948; Conservative 0; Mismatches 6; Indels 1; Gaps 1;
 QY 30 GGGGGATCTTCTCCGCGCATGAGAAAGCCAGCTGCTTCTCTCACTCACTGAA 89
 Db 2 GGGCGATCTTCTCCGCGCATGAGAAAGCCAGCTGCTTCTCTCACTCACTGAA 61
 QY 90 GGTGCTCTCTGCTCTGGCACTGCGGCGAGGATGAGTCAAGGCGCCCACTCC 149
 Db 62 GGTGCTCTCTGCTCTGGCACTGCGGCGAGGATGAGTCAAGGCGCCCACTCC 121
 QY 150 AGGAGCCCTCTCTCTCTCAACGATACGACCTTCTTGCACCTGCACTCAACTG 209
 Db 122 AGGAGCCCTCTCTCTCTCAACGATACGACCTTCTTGCACCTGCACTCAACTG 181
 QY 210 GAAGGAGAGACTACTGCGCTTCCGTGCAACCCAGCTGCGGATTCACACTGT 269
 Db 182 GAAGGAGAGACTACTGCGCTTCCGTGCAACCCAGCTGCGGATTCACACTGT 241
 QY 270 CCAAGTGAACCAATATGAAACCAAGGCTTAGGCGCGATGAGTGTCTGCTCAACT 329
 Db 242 CCAAGTGAACCAATATGAAACCAAGGCTTAGGCGCGATGAGTGTCTGCTCAACT 301
 QY 330 CCTTATGCTCTCTGCTTGAAGCTTCTGCGAGTCACTCACTACCGTTGCTCAACA 389
 Db 302 CCTTATGCTCTCTGCTTGAAGCTTCTGCGAGTCACTCACTACCGTTGCTCAACA 361
 QY 390 CGTCTACTATGCCAAGAGTCTGTGTTCCAGCAAGTCTCTATCTCTCACTTAAC 449
 Db 362 CGTCTACTATGCCAAGAGTCTGTGTTCCAGCAAGTCTCTATCTCTCACTTAAC 421
 QY 450 TCTCAAGAGATGAAGCTTCAAGCTGAGTCTCAACCAACAC-GATGACCTCCCACT 508
 Db 422 TCTCAAGAGATGAAGCTTCAAGCTGAGTCTCAACCAACCAAGTCTCCCACT 481
 QY 509 CACCCCACTTCAAGTGAAGAGACGCGACCTTCCAGGCTGCTGAGAGGCTGAGCA 568
 Db 482 CACCCCACTTCAAGTGAAGAGACGCGACCTTCCAGGCTGCTGAGAGGCTGAGCA 541
 QY 569 ACAACGTGAAGAGCTCTCAATCTCTTGTCTGAGGCGCAAGAGCCCGAG 628
 Db 542 ACAACGTGAAGAGCTCTCAATCTCTTGTCTGAGGCGCAAGAGCCCGAG 601
 QY 629 AGCAAGAGAGAGAGAGAGTGAAGCAAGCAAGAGAGCGACACAGAAACCAACAG 688
 Db 602 AGCAAGAGAGAGAGAGTGAAGCAAGCAAGAGAGCGACACAGAAACCAACAG 661
 QY 689 AAGAGGCGAGAAACAGAAAGCAAGAAAGAGAAAGAGAGAGAGAGAGAGAGAG 748
 Db 662 AAGAGGCGAGAAACAGAAAGCAAGAAAGAGAAAGAGAGAGAGAGAGAGAGAG 721
 QY 749 AAGAGAGGAGACTAAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 808
 Db 722 AAGAGAGGAG 781

Query Match	24.9%	Score 471	DB 20	Length 21347
Best Local Similarity	100.0%	Pred. No. 7.3e-238		
Matches 471	Conservative 0	Mismatches 0	Indels 0	Gaps 0
Qy	522	AGTGCACAGAGCCGACGCTTCCAGCCCTGGCCTGAGAGGCTCAGCAACAAGTGGAGA	581	
Db	8812	AGTGCACAGAGCCGACGCTTCCAGCCCTGGCCTGAGAGGCTCAGCAACAAGTGGAGA	8871	
Qy	582	GCTCCTCAATCCTCTTGTGTCCTGGAGGCCAGAGCAGCCGACAGCAAGCAGGA	641	
Db	8872	GCTCCTCAATCCTCTTGTGTCCTGGAGGCCAGAGCAGCCGACAGCAAGCAGGA	8931	
Qy	642	GCAAGAGATGGAGCAGCAGGAGAGCCGACACACAGAAACAAGCAGAGAGGGGCGAA	701	
Db	8932	GCAAGAGATGGAGCAGCAGGAGAGCCGACACACAGAAACAAGCAGAGAGGGGCGAA	8991	
Qy	702	ACAGGAAGCAGAGAGAGGAAACAGGAAGAGGAGGAAAGGAGAGGAGCAGGGGAC	761	
Db	8992	ACAGGAAGCAGAGAGAGGAAACAGGAAGAGGAGGAAAGGAGAGGAGCAGGGGAC	9051	
Qy	762	TAAGGAGGAGCGGAGGCGTGTCTCAGCTCAGACAGACACTCAGAGCCCAAGTTTCACTC	821	
Db	9052	TAAGGAGGAGCGGAGGCGTGTGTCTCAGCTCAGACAGACACTCAGAGCCCAAGTTTCACTC	9111	
Qy	822	TGAATCTCTATCTTCTTAAACCTTCTCTTTTGTCTCCCGGGGTGCGAAGTAGACTTAC	881	
Db	9112	TGAATCTCTATCTTCTTAAACCTTCTCTTTTGTCTCCCGGGGTGCGAAGTAGACTTAC	9171	
Qy	882	TCTATGATTAATGAGAACATCCAGAGACTCATTTGATCAGCCGACGAAATATGATGAAT	941	
Db	9172	TCTATGATTAATGAGAACATCCAGAGACTCATTTGATCAGCCGACGAAATATGATGAAT	9231	
Qy	942	GAATCAATATATATGATGAGAACTCCTACTGGAGAAACCAAAACCTGGCAG	992	
Db	9232	GAATCAATATATATGATGAGAACTCCTACTGGAGAAACCAAAACCTGGCAG	9282	

Qy	522	AGTGCAGAAACGCGACACCTTCACGCGCCGGGCTGAGAGGCTCACAAACAAAGTGGAAAGA	581
Db	12812	AGTGCAGAAACGCGACACCTTCAGCCTTGAGGCTTCAAGCAGCAACAGCTGGAAGA	12871
Qy	582	GCTCTTACATCTCTCTTGTCTCCCTGGAGGCCAGAGCAAGCGCCAGAGCAACACAGGA	641
Db	12872	GCTCTTACATCTCTTGTCTCCCTGGAGGCCAGAGCAAGCGCCAGAGCAACACAGGA	12931
Qy	642	GCAAGAGTGGAGCAACGGCAGGAGCCGACACAAAGACAAAGCAGGAAGAGGGGCAGAA	701
Db	12932	GCAAGAGTGGAGCAACGGCAGGAGCCGACACAAAGACAAAGCAGGAAGAGGGGCAGAA	12991
Qy	702	ACAGGAAGAGCAGGAAGAGGAAAACAGGAAGAGGGAAGGAGGAAGAGACAGAGGGAC	761
Db	12992	ACAGGAAGAGCAGGAAGAGGAAAACAGGAAGAGGGAAGGAGGAAGAGACAGAGGGAC	13051
Qy	762	TAAAGAGGAGCAGGAGGCTGTGTCTTCAGCTGCAGACAGACTCAGAGCCCAATTTCATCTC	821
Db	13052	TAAAGAGGAGCAGGAGGCTGTGTCTTCAGCTGCAGACAGACTCAGAGCCCAATTTCATCTC	13111
Qy	822	TGAATCTTATCTTCTTAAACCTTCTCTTTTCTCTCCCGGGTACAGAAATGAGTCTTAC	881
Db	13112	TGAATCTTATCTTCTTAAACCTTCTCTTTTCTCTCCCGGGTACAGAAATGAGTCTTAC	13171
Qy	882	TCTTATGATTAATGAGAACATCCAGAGCTCATTTGATCAGCCCGAGAAATGATGAAT	941
Db	13172	TCTTATGATTAATGAGAACATCCAGAGCTCATTTGATCAGCCCGAGAAATGATGAAT	13231
Qy	942	GAATGAATTAATGATGAGAACTCTACTGTGAGAAACCAAAACCTTGGCAG	992
Db	13232	GAATGAATTAATGATGAGAACTCTACTGTGAGAAACCAAAACCTTGGCAG	13282
RESULT 13			
US-09-918-995-14842			
/ Sequence 14842, Application US//09918995			
/ Publication No. US20030073623A1			
/ GENERAL INFORMATION:			
/ APPLICANT: Hyesq, Inc.			
/ TITLE OF INVENTION: NOVEL NUCLEIC ACID SEQUENCES OBTAINED			
/ TITLE OF INVENTION: FROM VARIOUS CDNA LIBRARIES			
/ FILE REFERENCE: 20411-756			
/ CURRENT APPLICATION NUMBER: US/09/918,995			
/ CURRENT FILING DATE: 2001-07-30			
/ PRIOR APPLICATION NUMBER: US/09/235,076			
/ PRIOR FILING DATE: 1999-01-20			
/ NUMBER OF SEQ ID NOS: 38054			

Db 306 TGAATGATGAAATATATGATGAGAACTCTACTGAGAAACCAAAACCTGGCAGCCT 365
Qy 996 CCTGCAGCTGCCACACAGAGGCTTGTGCTGTGCTATTGATCGTGAATAATAC 1055
Db 366 CCTGCAGCTGCCACACAGAGGCTTGTGCTGTGCTATTGATCGTGAATAATAC 425
Qy 1056 CTGCATCATTAACCCCCACAGCCAGGCTTGAAGTACATGAGAGGAG 1104
Db 426 CTGCATCATTAACCCCCACAGCCAGGCTTGAAGTACATGAGAGGAG 474

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Job time : 1188 secs